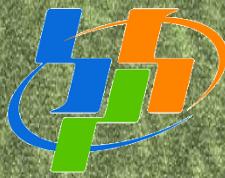


# **NILAI TUKAR PETANI PROVINSI SULAWESI UTARA**

## **TAHUN 2015**



**BADAN PUSAT STATISTIK  
PROVINSI SULAWESI UTARA**



# NILAI TUKAR PETANI PROVINSI SULAWESI UTARA TAHUN 2015



# **Nilai Tukar Petani Provinsi Sulawesi Utara 2015**

*Farmers' Terms of Trade in North Sulawesi 2015*

**No. ISBN** : 978-602-1003-63-3

**No. Publikasi** : 71542.1616

**Katalog BPS** : 7102019.71

**Ukuran Buku** : 20.5 x 29 cm

**Jumlah Halaman** : viii + 50 Halaman

## **Naskah:**

Kepala Seksi Statistik Keuangan Dan Harga Produsen  
Badan Pusat Statistik Sulawesi Utara

## **Penyunting:**

Seksi Diseminasi dan Layanan Statistik  
Badan Pusat Statistik Sulawesi Utara

## **Gambar Kulit:**

Seksi Diseminasi dan Layanan Statistik  
Badan Pusat Statistik Sulawesi Utara

## **Diterbitkan oleh:**

Badan Pusat Statistik Provinsi Sulawesi Utara, Manado-Sulawesi Utara

## **Dicetak oleh :**

**Boleh dikutip dengan menyebut sumbernya**

## KATA PENGANTAR

Publikasi Statistik Nilai Tukar Petani (NTP) merupakan hasil pengolahan dari Badan Pusat Statistik (BPS), berdasarkan hasil pencacahan oleh BPS Kabupaten di daerah perdesaan berupa laporan Statistik Harga Konsumen Perdesaan dan Statistik Harga Produsen yang dikumpulkan selama tahun 2015.

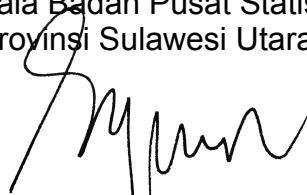
Data yang disajikan meliputi :

- Indeks Harga yang diterima Petani
- Indeks Harga yang dibayar Petani
- Nilai Tukar Petani

Publikasi ini juga menyajikan konsep definisi, metodologi pengumpulan data dan uraian singkat mengenai trend NTP, indeks harga yang diterima petani, dan indeks yang dibayar petani sepanjang tahun 2015. Dengan demikian para pemakai data dapat memahami dengan baik proses penghitungan NTP sebagai pengukur kemampuan nilai tukar barang-barang (produk) yang dihasilkan petani terhadap barang/jasa yang dikonsumsi rumah tangga petani, termasuk barang dan jasa untuk memproduksi komoditas pertanian.

Kami mengharapkan saran dan kritik yang membangun dari para pengguna data untuk perbaikan dan penyempurnaan publikasi ini di waktu mendatang. Kepada semua pihak yang telah membantu diucapkan terima kasih.

Manado, Agustus 2016  
Kepala Badan Pusat Statistik  
Provinsi Sulawesi Utara



Moh. Edy Mahmud

## Preface

*The publication of "Farmers' Terms of Trade (FTT) Statistics in North Sulawesi 2015" is from the processing data of the head quarter of BPS-Statistics Indonesia (BPS), based on data collection interviewed in BPS regencies, specifically in rural areas in the format of Consument Price in Rural Reports and Producers Prices Statistics Survey conducted in 2015.*

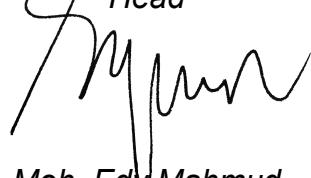
*Farmers' Terms of Trade in North Sulawesi 2015 covers data in 2015, in terms of:*

- *Prices Received by Farmers Indices*
- *Prices Paid by Farmers Indices*
- *Farmer's Terms of Trade*

*This publication also provide the concepts and definitions, data collection method, and brief review about (FTT), prices received by farmers indices, and prices paid by farmers indices in 2015. Therefore user data can have robust comprehensions of the calculation and measurement of FTT as the indicator of goods/ services produced compare to goods/ services consumed by including goods/ services to produce the agricultural products.*

*To all parties who have been involved in the preparation of this publication, I would like to express my appreciation. Hopefully this publication will be useful reference for any purposes. Comments and suggestions to improve the contents of this publication are always welcomed.*

Manado, August 2016  
BPS Statistics - North Sulawesi  
Head



Moh. Edy Mahmud

## Daftar Isi/ *Contents*

|   | Halaman |
|---|---------|
| KATA PENGANTAR/ <i>PREFACE</i> .....  | iii     |
| DAFTAR ISI/ <i>CONTENTS</i> .....   | v       |
| DAFTAR TABEL/ <i>LIST OF TABLES</i> .....   | vi      |
| DAFTAR GRAFIK/ <i>LIST OF GRAPHS</i> .....  | viii    |
| 1. Pendahuluan/ <i>Introduction</i> .....   | 1       |
| 1.1. Latar Belakang/ <i>Background</i> .....  | 1       |
| 1.2. Kegunaan/ <i>Objectives</i> .....  | 2       |
| 1.3. Ruang Lingkup/ <i>Data Scope</i> .....   | 3       |
| 2. Metode Pengumpulan Data/<br><i>Data Collection Methodology</i> .....   | 4       |
| 3. Konsep Defenisi/ <i>Concepts and Definitions</i> .....   | 6       |
| 4. Ulasan Ringkas/ <i>Brief review</i> .....  | 10      |
| 4. 1. NTP Umum/ <i>General FTT</i> .....  | 8       |
| 4. 2. NTP Subsektor Tanaman Pangan/<br><i>FTT of Food Crops Subsector</i> .....                                     | 15      |
| 4. 3. NTP Subsektor Tanaman Hortikultura/<br><i>FTT of Horticulture Subsector</i> .....                             | 16      |
| 4. 4. NTP Subsektor Tanaman Perkebunan Rakyat/<br><i>FTT Subsector of Smallholders Estate Crops Subsector</i> ..... | 17      |
| 4. 5. NTP Subsektor Peternakan/<br><i>FTT of Animal Husbandry</i> .....   | 18      |
| 4. 6. NTP Subsektor Perikanan/<br><i>FTT of Fishery Subsector</i> .....   | 19      |

## Daftar Tabel/ *List of Tables*

| Tabel/ <i>Table</i>  | Halaman/ <i>Page</i> |
|--|----------------------|
| 1. Nilai Tukar Petani Provinsi Sulawesi Utara 2008-2015<br><i>Farmer's Term of Trade Province of North Sulawesi</i><br>2008-2015 .....   | 26                   |
| 2. Nilai Tukar Petani Provinsi Sulawesi Utara<br>Januari-Desember 2015 (2012=100)<br><i>Farmer's Terms of Trade Province of North Sulawesi</i><br>January-December 2015 (2012=100).....  | 27                   |
| 3. Nilai Tukar Petani Subsektor Tanaman Pangan<br>Provinsi Sulawesi Utara, Januari-Desember 2015<br>(2012=100)<br><i>Farmer's Terms of Trade of Food Crops Subsector</i><br><i>Province of North Sulawesi, January-December 2015</i><br>(2012=100) .....                           | 30                   |
| 4. Nilai Tukar Petani Subsektor Tanaman Hortikultura<br>Provinsi of Sulawesi Utara, Januari-Desember 2015<br>(2012=100)<br><i>Farmer's Terms of Trade of Horticulture Subsector</i><br><i>Province of North Sulawesi, January-December 2015</i><br>(2012=100) .....                | 33                   |
| 5. Nilai Tukar Petani Subsektor Tanaman Perkebunan rakyat<br>Provinsi Sulawesi Utara, Januari-Desember 2015<br>(2012=100)<br><i>Farmer's Terms of Trade of Smallholders Estate Crops Subsector</i><br><i>Province of North Sulawesi, January-December 2015</i><br>(2012=100) ..... | 36                   |

|  |    |
|--|----|
| 6. Nilai Tukar Petani Subsektor Peternakan<br>Provinsi Sulawesi Utara, Januari-Desember 2015<br>(2012=100)<br><i>Farmer's Terms of Trade of Animal Husbandry Subsector</i><br><i>Province of North Sulawesi, January-December 2015</i><br>(2012=100) ..... | 39 |
| 7. Nilai Tukar Petani Subsektor Perikanan<br>Provinsi Sulawesi Utara, Januari-Desember 2015<br>(2012=100)<br><i>Farmer's Terms of Trade of Fishery Subsector</i><br><i>Province of North Sulawesi, January – December 2015</i><br>(2012=100) .....         | 42 |
| 8. Nilai Tukar Petani Subsektor Perikanan Tangkap<br>Provinsi Sulawesi Utara, Januari-Desember 2015 (2012 = 100)<br><i>Farmers Terms of Trade of Catching Fisheries</i><br><i>Province of North, January – December Sulawesi 2015</i> .....                | 45 |
| 9. Nilai Tukar Petani Subsektor Perikanan Budidaya<br>Provinsi Sulawesi Utara, Januari-Desember 2015 (2012 = 100)<br><i>Farmers Business Terms of Trade of Catching Fisheries</i><br><i>Province of North, January – December Sulawesi 2015</i> .....      | 48 |

## Daftar Grafik/ *List of Graphs*

| Grafik/ <i>Graph</i>   | Halaman/ <i>Page</i> |
|--|----------------------|
| 1. Perkembangan Nilai Tukar Petani Provinsi Sulawesi Utara 2015<br><i>Farmer's Terms of Trade Growth of North Sulawesi, 2015</i> .....                 | 10                   |
| 2. Nilai Tukar Petani Provinsi Sulawesi Utara, Tahun 2015<br><i>Farmer's Terms of Trade Province of North Sulawesi, 2015</i> .....                     | 14                   |
| 3. Perkembangan Indeks Pada Subsektor<br>Tanaman Panagan Tahun 2015<br><i>Index Performance of FTT for Food Crops Subsector 2015</i> .....             | 15                   |
| 4. Perkembangan Indeks Pada Subsektor Hortikultura, 2015<br><i>Index Performance of FTT in Horticulture, 2015</i> .....                                | 16                   |
| 5. Perkembangan Indeks pada Subsektor TPR, 2015<br><i>Index Performance of FTT in Smallholders Estate Crops 2015</i> ....                              | 18                   |
| 6. Perkembangan Indeks pada Subsektor Peternakan, 2015<br><i>Index Performance of FTT in Animal Husbandry Subsector,2015</i> ..                        | 19                   |
| 7. Perkembangan Indeks pada Subsektor Perikanan, 2015<br><i>Index Performance of FTT in Fishery Subsector 2015</i> .....                               | 20                   |
| 8. Perkembangan Indeks pada Subsektor<br>Penangkapan Ikan di Laut, 2015<br><i>Index Performance of FTT for Sea<br/>Fishery Subsector, 2015</i> .....   | 21                   |
| 9. Perkembangan Indeks pada Subsektor<br>Perikanan Budidaya, 2015<br><i>Index Performance of FTT for Aquaculture Fishery Subsector,<br/>2015</i> ..... | 21                   |
| 10. Indeks Konsumsi Rumah Tangga, 2015<br><i>Household Consumption, 2015</i> .....   | 22                   |

## 1.1. Latar Belakang

Salah satu tujuan pembangunan ekonomi adalah mewujudkan masyarakat yang adil, makmur dan sejahtera dalam segala bidang. Mengingat Indonesia adalah negara agraris, dimana sekitar dua per tiga penduduk Indonesia masih menggantungkan hidupnya di sektor pertanian. Oleh sebab itu dengan latar belakang negara agraris diharapkan sektor pertanian ini dapat menjadi motor penggerak pertumbuhan ekonomi yang mampu meningkatkan pendapatan petani.

Diperlukan suatu ukuran yang dapat digunakan untuk mengukur keberhasilan pembangunan di sektor pertanian, terutama terkait kesejahteraan petani. Salah satu alat ukur yang dapat dipakai adalah ukuran kesejahteraan para petani atau Nilai Tukar Petani (NTP). NTP adalah rasio antara indeks harga yang diterima petani ( $I_t$ ) dengan indeks harga yang dibayar petani ( $I_b$ ) dalam persentase.  $I_t$  adalah indikator tingkat kesejahteraan petani produsen dari sisi pendapatan, sedangkan  $I_b$  dari sisi kebutuhan petani baik untuk konsumsi maupun produksi. Bila  $I_t$  atau  $I_b$  lebih besar dari 100, berarti  $I_t$  atau  $I_b$  lebih tinggi dibandingkan  $I_t$  atau  $I_b$  pada tahun dasar.



## 1.1. Background

*One of the development goals is to make the society in equitable and prosperous life in any kind of economic sectors. Indonesia is an agricultural country, in which two third of its citizens earn their living in agricultural sector. Therefore, this agricultural sector is expected to be a vital sector to boost the economy growth which in turn will increase the economic income of all business sectors, especially that of farmers.*

*In order to examine and calculate the success of development in agriculture, especially in relationship with the welfare of farmers, a good indicator is needed to apply. One of the indicators that can be applied to describe the welfare of farmers is Farmers' Terms of Trade (FTT). FTT is a ratio between prices received index ( $I_t$ ) and prices paid index ( $I_b$ ) in percentage. Prices received index ( $I_t$ ) from farmers is an indicator to reflect the welfare of farmers as producers in terms of income, and prices paid index is an indicator to reflect the cost of farmers, either for household consumption or farming production. If  $I_t$  or  $I_b$  is greater than 100, means that  $I_t$  or  $I_b$  is higher than  $I_t$  or  $I_b$  of base year.*

Dari hasil Sensus Pertanian 2013 ditemukan bahwa Sektor Pertanian masih menjadi sektor dominan dalam struktur perekonomian Sulawesi Utara setelah sektor Jasa dan Perdagangan

*Based on Agriculture Census in 2013 data show that agriculture sector still dominate the economic structure of North Sulawesi, after services and trade sectors.*

Dengan kata lain NTP adalah produk pengukur kemampuan tukar barang (produk) pertanian yang dihasilkan petani dengan barang atau jasa yang diperlukan untuk konsumsi rumah tangga dan keperluan dalam memproduksi produk pertanian.

## 1.2 Kegunaan

- a) Indeks yang diterima petani ( $I_t$ ) dapat melihat fluktuasi harga barang-barang yang dihasilkan petani. Indeks ini juga dapat digunakan untuk mendukung penghitungan pendapatan sektor pertanian.
- b) Dari kelompok konsumsi rumah tangga dalam indeks harga yang dibayar petani ( $I_b$ ), dapat menggambarkan fluktuasi harga barang-barang yang dikonsumsi oleh petani yang merupakan bagian terbesar dari masyarakat pedesaan. Sedangkan dari kelompok biaya produksi dapat digunakan untuk melihat fluktuasi harga-harga barang yang digunakan untuk memproduksi barang-barang pertanian.
- c) NTP bermanfaat untuk mengukur kemampuan tukar produk yang dijual petani dengan produk yang dibutuhkan petani dalam memproduksi.

Kemajuan Sektor pertanian dapat dicapai jika output pertanian dapat digunakan sepenuhnya sebagai alat tukar untuk memenuhi seluruh kebutuhan petani

*The modern agriculture sector will be achieved when the output of farming can be exchanged to all the farmer's needs*

*In other word, FTT is a tool to measure the ability of famers in terms of exchanging products and services that are produced by farmers, and services that are needed by farmers for household and for the production process of farming.*

## 1.2 Objectives

- a) *Prices received index can reflect the fluctuation of prices of products that produced by farmers. This indicator can be used to calculate the total income of agricultural sector.*
- b) *From the consumption of household group in prices paid index represents the fluctuation of prices of products consumed by farmers which is the main part of people who are living in rural. In the other hand, production costs can be applied for examining the fluctuation of prices in terms of goods that are used for the agricultural products.*
- c) *FTT gives a benefit to measure the capability of exchange of products that are sold by farmers and product exchange that are needed by farmers in relationship with the production process.*



Hal ini terlihat bila dibandingkan dengan kemampuan tukarnya pada tahun dasar. Dengan demikian, NTP dapat dipakai sebagai salah satu indikator dalam menilai tingkat kesejahteraan petani.

### 1.3 Ruang Lingkup

Cakupan data pada publikasi ini adalah data keadaan tahun 2015 pada lima sub sektor pertanian, yaitu tanaman pangan, tanaman hortikultura, tanaman perkebunan rakyat (TPR), peternakan, dan perikanan.

*It can be seen vividly if only compared the ability of farmers in terms of current exchange products and the ability of farmers in a base year. Thus, the FTT can be used as an indicator in evaluating the welfare of farmers.*

### 1.3 Data Scope

*The scope of data in this publication is in the time frame 2015 in the five agricultural sub sectors, such as, Food Crops, Horticulture, Smallholders Plantation Estate Crops, Animal Husbandry, and Fisheries sub sector.*



**Suatu kondisi anomali terjadi di Sulawesi Utara, dimana yang mendominasi struktur perekonomian Sulawesi Utara adalah Sektor Pertanian, di sisi lain keadaan kesejahteraan petaninya diindikasikan masih belum sejahtera.**

***An anomaly condition occurred in North Sulawesi, where agriculture is a sector that dominates economic structure of North Sulawesi, while the welfare of farmers is indicated far from the prosperity***

## **2. METODE PENGUMPULAN DATA / DATA COLLECTION METHODOLOGY**

Data NTP dihitung berdasarkan hasil pengumpulan data melalui wawancara yang diperoleh dengan menggunakan daftar HKD-1, HKD-2.1, HKD-2.2, HD-1, HD-2, HD-3, HD-4, HD-5.1, dan HD-5.2.

- a. Daftar HKD-1 digunakan untuk mencatat harga yang dibayar oleh konsumen perdesaan kelompok makanan.
- b. Daftar HKD-2.1 digunakan untuk mencatat harga yang dibayar oleh konsumen perdesaan kelompok konstruksi, jasa, dan transportasi.
- c. Daftar HKD-2.2 digunakan untuk mencatat harga yang dibayar oleh konsumen perdesaan kelompok aneka perlengkapan rumah tangga dan lainnya.
- d. HD-1 digunakan untuk mencatat harga produsen yang diterima petani dan harga yang dibayar petani untuk keperluan biaya produksi pada subsektor tanaman pangan.
- e. HD-2 digunakan untuk mencatat harga produsen yang diterima petani dan harga yang dibayar petani untuk keperluan biaya produksi untuk subsektor hortikultura.

*FTT indicator is calculated by the data collection from data field work/interview to farmers by using eight types of questionnaires; HKD-1, HKD-2.1, HKD-2.2, HD-1, HD-2, HD-3, HD-4, HD-5.1, dan HD-5.2.*

- a) *HKD-1 questionnaire is used to record paid prices of consumers in rural area for food cost.*
- b) *HKD-2.1 questionnaire is applied to record paid prices of consumers in rural area for cost of constructions, services, and transportation.*
- c) *HKD-2.2 questionnaire is used to record paid prices of consumers in rural area for households supplies and others.*
- d) *HD-1 is used for recording producer prices that come from farmers and costs for agricultural production process in relationship with sub sector of Food Crops.*
- e) *HD-2 is used for recording producer prices that come from farmers and costs for production processes in horticulture crops.*

- f. HD-3 digunakan untuk mencatat harga produsen yang diterima petani dan harga yang dibayar petani untuk keperluan biaya produksi untuk subsektor tanaman perkebunan rakyat.
- g. HD-4 digunakan untuk mencatat harga produsen yang diterima petani dan harga yang dibayar petani untuk keperluan biaya produksi untuk subsektor peternakan.
- h. HD-5.1 digunakan untuk mencatat harga produsen yang diterima petani dan harga yang dibayar petani untuk keperluan biaya produksi untuk subsektor perikanan tangkap.
- i. HD-5.2 digunakan untuk mencatat harga produsen yang diterima petani dan harga yang dibayar petani untuk keperluan biaya produksi untuk subsektor perikanan budi daya.

- f. HD-3 is applied to record producer prices that are made of farmers from their agricultural business and all of costs that they spent for production process of Smallholders Estate Crops sub sector.*
- g. HD-4 is used for getting information of producer prices that achieved from farmers and paid prices of goods and services for production process of animal husbandry sub sector.*
- h. HD-5.1 is used for getting information of producer prices that are produced by farmers and all of costs that spent for agricultural production process in fisheries sub sector.*
- i. HD-5.2 is used for getting information of producer prices that are produced by farmers and all of costs that spent for agricultural production process in aquaculture sub sector.*

### **3. KONSEP DAN DEFINISI / CONCEPTS AND DEFINITIONS**

**NTP dapat dijadikan sebagai proxy indikator untuk mengukur tingkat kesejahteraan petani**  
***FTT can be used as an indicator for measuring the welfare of farmers.***

Beberapa konsep dan definisi yang dipergunakan dalam perhitungan NTP antara lain:

1. Nilai Tukar Petani adalah angka perbandingan antara indeks harga yang diterima ( $I_t$ ) dan dibayar ( $I_b$ ) petani. *Indeks harga yang diterima petani* adalah indeks harga yang menunjukkan perkembangan harga produsen atas hasil produksi petani. *Indeks harga yang dibayar petani* adalah indeks harga yang menunjukkan perkembangan harga kebutuhan rumah tangga petani, baik itu kebutuhan untuk konsumsi rumah tangga maupun kebutuhan untuk proses produksi pertanian.
2. Petani adalah orang yang mengusahakan usaha pertanian (tanaman pangan, tanaman hortikultura, tanaman perkebunan rakyat, peternakan, dan perikanan) atas resiko sendiri dengan tujuan untuk dijual, baik sebagai petani penggarap (sewa/kontrak/bagi hasil). Orang yang bekerja di sawah/ladang orang lain dengan mengharapkan upah (buruh tani) bukan termasuk petani.

*Some concepts and definitions used in the FTT are:*

1. *Farmers' Terms of Trade is the ratio between indices of prices received and prices paid by farmers that is counted in percentage. Index of prices received is prices index that shows the progress of producer prices related with the agricultural products. Meanwhile, index of prices paid by farmers are prices index that indicate the progress of prices of house hold need for farmers, either for needs of household cconsumption or needs for agricultural production process.*
2. *Farmers are people who are working in agricultural sector ( in the sub sector of food crops, horticulture,Smallholders Plantation Estate Crops, Animal Husbandry, and Fisheries) and responsible of risks that may come from farming. More over, the agricultural outputs are for saled, either as tenant farmers (rented/ contract/ profit sharing). People working in the fields of others and expecting wages (hodge) are not including farmers.*

3. Harga yang diterima petani adalah rata-rata harga produsen dari hasil produksi petani sebelum ditambahkan biaya transportasi / pengangkutan dan biaya pengepakan ke dalam harga penjualannya atau disebut Farm Gate (harga di sawah/ladang setelah pemetikan). Harga rata-rata adalah harga yang bila dikalikan dengan volume penjualan petani akan mencerminkan total uang diterima petani tersebut.
  4. Harga yang dibayarkan petani adalah rata-rata harga eceran barang/jasa yang dikonsumsi atau dibeli petani, baik untuk memenuhi kebutuhan rumah tangganya sendiri maupun untuk keperluan biaya produksi pertanian.
  5. Pasar adalah tempat terjadinya transaksi antara penjual dan pembeli atau pertemuan antara penawaran dan permintaan. Pada kecamatan yang sudah terpilih sebagai sampel, pasar yang dicatat haruslah pasar yang cukup mewakili dengan syarat antara lain: paling besar, banyak pembeli dan penjual, jenis barang yang diperjualbelikan cukup banyak dan terjamin kelangsungan pencatatan harganya, serta terletak didaerah pedesaan.
3. Prices received by farmers are the average of producer prices from farmers' products before the added cost of transportation/ transport and packaging costs into sales prices or Farm Gate (the prices when sold in the paddy field/ field after harvesting). Average prices is the prices when multiplied by the volume of farm sales will reflect the total money received by farmers.
  4. Prices paid by farmers is the average retail prices of goods/services consumed or purchased by farmers, both to meet needs of their own house household or for the purposes of agricultural production costs.
  5. The market is a place where the transaction between the sellers and buyers or transcation between supply and demand. For districts that have been selected as samples, a market that accounted for the market should be fairly represented on the condition as follows; the size of markets, size of buyers and sellers, the type of goods bought and sold is relatively in a big amount, and reliable in continuity of recording prices. In addition, the market lies in rural areas.

**Stabilitas harga komoditi hasil pertanian yang diperoleh petani dan harga komoditi yang dikeluarkan petani untuk rumah tangganya dan usaha pertanian sangat mempengaruhi pergerakan nilai tukar petani**

*The stability of commodity prices from farming products that are accepted by farmers and consumption prices of farmers for their family and production cost of farming.*

6. Harga eceran pedesaan adalah harga transaksi antara penjual dan pembeli secara eceran dipasar setempat untuk tiap jenis barang yang dibeli dengan tujuan kepada pihak lain. Harga yang dicatat adalah harga modus (yang terbanyak muncul) atau harga rata-rata biasa dari beberapa pedagang / penjual yang memberikan datanya.

### Arti angka NTP

Secara umum ada tiga macam pengertian NTP, yaitu:

1.  $NTP > 100$ , berarti petani mengalami surplus. Harga komoditas pertanian naik lebih besar dari kenaikan harga barang/jasa konsumsi dan biaya produksi. Pendapatan petani naik lebih besar dari pengeluarannya dengan demikian dapat diindikasikan bahwa tingkat kesejahteraan petani lebih baik dibandingkan dengan tingkat kesejahteraan petani pada periode tahun dasar.
2.  $NTP = 100$ , berarti petani mengalami impas/*break even*. Kenaikan/penurunan harga komoditas pertanian sama dengan persentase kenaikan/penurunan harga barang/jasa konsumsi dan biaya produksi. Tingkat kesejahteraan petani tidak mengalami perubahan.

6. *Rural retail price is the price of transactions between sellers and buyers in the local retail market for each type of goods purchased with the purpose to other parties. Price recorded is the price mode (which most appear) or the average price of some vendors/sellers who provide the data.*

### ***The Meaning of FTT***

*In general there are three kinds if FTT:*

1. *FTT > 100, it means that farmers get surplus. The price of agricultural commodities increase faster than the increase in prices of goods/services for consumption and production costs. Farmers' income increase faster than their expenditure, and consequently the level of farmers' welfare is better than the base year period.*
2. *FTT = 100, it means that farmers run into a breakeven. The increase/decrease in the price of agricultural commodities is equal to the percentage of prices increase/decrease of goods/services for consumption and production costs. Therefore it will be indicated that farmers' welfare remains the same.*

3. NTP < 100, berarti petani mengalami defisit. Kenaikan harga komoditas pertanian relatif lebih kecil dibandingkan dengan kenaikan harga barang/jasa konsumsi dan biaya produksi. Tingkat kesejahteraan petani pada suatu periode mengalami penurunan disbanding tingkat kesejahteraan petani pada periode tahun dasar.

*3. FTT < 100, it means that farmers are deficit. The increase in the price of agricultural commodities is relatively small compared to the increase in prices of goods/services for consumption and production costs. Farmers's welfare is lower than the base year period.*



Sektor Pertanian adalah sektor yang masih mendominasi struktur ekonomi di Sulawesi Utara. Tingkat kesejahteraan petani tergantung dari stabilitas harga-harga komoditi yang dihasilkan petani dan harga-harga komoditi yang digunakan petani untuk kebutuhan rumah tangga dan usaha pertaniannya

*Agriculture sector is a sector that dominates the economic structure of North Sulawesi. The welfare of farmers depends on the stability of commodity prices produced by farmers and commodity prices used by farmers for their household consumption and production cost in agriculture sector*

## 4. ULASAN SINGKAT / SHORT ANALYSIS

### 4. 1 NTP Umum

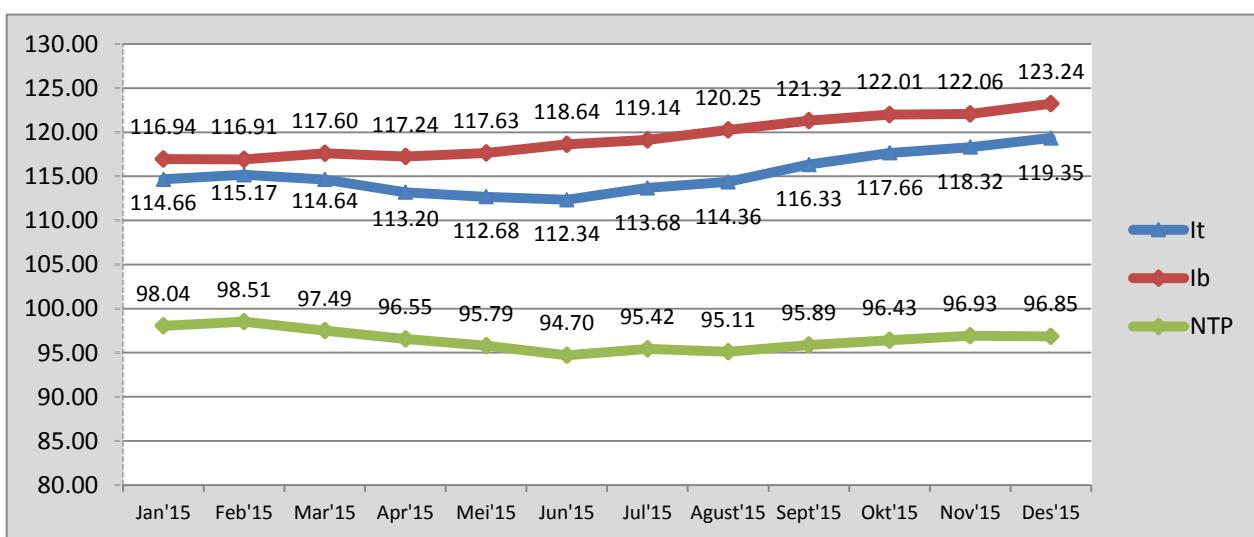
Pergerakan NTP Provinsi Sulawesi Utara pada periode Januari - Desember 2015 cenderung melesu dimana nilai tukar petani selalu berada di bawah seratus setiap bulannya Diawali dengan nilai 98,04 di bulan Januari dan diakhiri pada nilai 96,85 pada bulan Desember. Perubahan yang cenderung menurun dimulai pada saat triwulan pertama hingga di ujung triwulan dua, bulan Juni 2015 nilai NTP Sulawesi Utara turun menjadi 94,70. Secara perlahan fluktuasi nilai ini berbalik arah pada kenaikan hingga di akhir tahun 2015 menjadi 96,85. Kondisi ini perlu mendapat perhatian semua pihak, khususnya pemerintah daerah Sulawesi Utara.

#### 4.1 General FTT

The movement of FTT in North Sulawesi during the period of January to December 2015, tends to dramatically decrease each month, by showing the point at 98.04 in the beginning of 2015 and end up with decreasingly point at 96.85 in December 2015. Insignificantly Changes started from the first quarter to the second quarter, in June 2015, by showing the decreasing FTT to be 94.70. The fluctuation of FTT tends to seems to be increase slowly at the end of 2015 to be 96.85. The few declined of FTT happened in the last month of 2015, at point 96.85. This figures need to be concerned by government and all stakeholders.

Grafik 4.1 NTP, It dan Ib Provinsi Sulawesi Utara, Tahun 2015

Graph 4.1. FTT,  $I_t$ ,and  $I_b$  of North Sulawesi , in 2015



NTP Provinsi Sulawesi Utara di sepanjang tahun 2015 setiap bulannya selalu berada di bawah angka 100, artinya bahwa selama bulan Januari hingga Desember tahun 2015 umumnya petani di Sulawesi Utara mempunyai kehidupan yang kurang baik dibandingkan dengan kondisi sebelumnya di tahun dasarnya, yakni tahun 2012. Dengan kata lain petani di Sulawesi Utara di tahun 2015 memiliki kemampuan daya beli yang kurang lebih baik dibandingkan keadaan petani di tahun dasarnya, tahun 2012 melalui kemampuan petani dalam memenuhi kebutuhan rumah tangganya dan kebutuhan biaya produksi pertaniannya tidak lebih baik jika dibandingkan dengan kemampuan petani yang di tahun dasar 2012.

Penurunan nilai tukar petani disebabkan peningkatan harga-harga komoditi hasil pertanian yang diusahakan petani tidak dapat melampaui harga-harga komoditi yang dibutuhkan oleh petani untuk konsumsi rumah tangganya dan biaya produksi dan penambahan barang modal di pertanian. Hal ini terlihat dari pergerakan indeks yang diterima petani, yang bersumber dari harga produk pertanian yang dihasilkan ( $I_t$ ), bergerak di bawah pergerakan indeks yang dibayarkan petani, yang bersumber dari harga komoditi pengeluaran rumah tangga petani dan biaya produksi dan penambahan barang modal petani ( $I_b$ ).

*FTT of Province of North Sulawesi in 2015 per month is always below 100. The figures indicate that in the period from January to December 2015, in general farmers living in North Sulawesi have not experienced a better life yet compared to farmers' experience in the base year, 2012. In other words, the farmers in the North Sulawesi had less power in pursuing all their needs for their family and all of the cost for farming activities compared to the base year 2012.*

*The decline of FTT figure majorly caused the increasing of prices from agriculture commodities that farmers produce from their field cannot reach more than prices from commodities needed by farmers for the household consumption and production costs and the capital added goods for the agriculture sector. The fluctuation is examined by the movement of the received index by the farmers ( $I_t$ ), tends to move slower than the paid index by the farmers ( $I_b$ ), which is calculated by commodity prices of households needs and production costs and capital added goods of the farmers.*

Sepanjang tahun 2015,  $I_t$  menunjukkan pola yang berfluktuasi, berada pada *range* antara 112.34 sampai dengan 119.35 dengan rata-rata pergerakan setahun sebesar 115.20. Memasuki triwulan pertama (Januari-Maret),  $I_t$  berfluktuasi naik turun, Memasuki triwulan kedua di bulan April, mengalami fluktuasi kembali sama dengan triwulan sebelumnya. Indeks ini mengalami peningkatan pada awal triwulan ketiga, di bulan Juli yakni sebesar 113.68 atau sebesar 1.34 persen. Bulan Agustus, indeks ini terus mengalami peningkatan sebesar 0,68 persen dan kembali meningkat di bulan berikutnya hingga diakhiri di Bulan Desember dengan peningkatan sebesar 1,03 persen.

Hasil pola persebaran indeks yang diterima petani ( $I_t$ ) seperti yang disebutkan sebelumnya dapat disimpulkan bahwa output petani yang dikonversikan pada harga-harga komoditi yang diterima petani dari penjualan produk pertaniannya relatif mengalami fluktuasi yang tidak tinggi. Hanya saja ketika memasuki akhir triwulan satu dan triwulan dua tahun 2015, kemampuan daya jual atas hasil usahanya mengalami penurunan, tapi memasuki Triwulan 3 dan triwulan 4 kemampuan daya jual atas hasil usahanya mengalami peningkatan.

*In the year 2015, the  $I_t$  shows a fluctuating pattern in the range between 112.34 and 119.35 with the moving average in one year is 115.20. In the beginning of first quarter (January-March), the  $I_t$  showed a fluctuating decline. Moreover, in the beginning of second quarter in April, it that fluctuating back same with quarter previously. This index had increased in the third quarter, starting from July at 113.68 or 1.34 percent. This index keep increased point 0.68 percents in Agust and increase again in the next month until in the end of 2015, December, the index keep showing a good performance by increasing at 1.03 percent.*

*According to the distribution of price received index ( $I_t$ ) as mentioned in the previous section, it can be concluded that the output of farmers converted by commodity prices accepted from the agricultural product market is slightly fluctuated. However, in the beginning of the last first quarter and second quarter of 2015, the market power of farmers for the agricultural production is showing declining performance but beginning of third quarter and four quarter the market power of farmers for the agricultural production is showing increase.*

Berbeda dengan  $I_t$ ,  $I_b$  menunjukkan fluktuasi yang cukup menarik dari bulan ke bulan. Di mulai dengan nilai 114.66 di bulan Januari, indeks  $I_t$  mengalami peningkatan secara pasti di setiap bulan, hingga ditutup dengan nilai 119.35 di bulan Desember.

Indeks  $I_b$  terbesar di sepanjang tahun 2015 berada di bulan Desember sebesar 123.24. Pergerakan perubahan indeks ini lebih disebabkan pada pergerakan indeks harga konsumsi rumah tangga dan Biaya Produksi dan Penambahan Barang Modal (BPPBM) yang dikeluarkan oleh petani. Sama halnya indeks  $I_b$ , indeks konsumsi rumah tangga dan BPPBM yang tertinggi terjadi di bulan Desember, dengan besar indeks masing-masing sebesar 127.71 untuk indeks konsumsi rumah tangga dan 110,91 untuk BPPBM.

Jika ditelusuri pada seluruh subsektor pada Sektor Pertanian, Subsektor Hortikultura dan perikanan yang memiliki NTP yang selalu diatas 100 sepanjang tahun 2015. Hal ini diindikasikan bahwa petani yang berada pada sub sektor hortikultura dan perikanan memiliki keadaan kesejahteraan yang lebih baik dibandingkan dengan petani yang berada di sub sektor lainnya.

Nilai Tukar Petani di sepanjang tahun 2016 cenderung menunjukkan pergerakan yang lambat dan selalu berada di bawah seratus. Kondisi ini seharusnya perlu mendapat perhatian oleh pemerintah daerah dan stakeholder terkait, khususnya dalam peningkatan kesejahteraan petani.

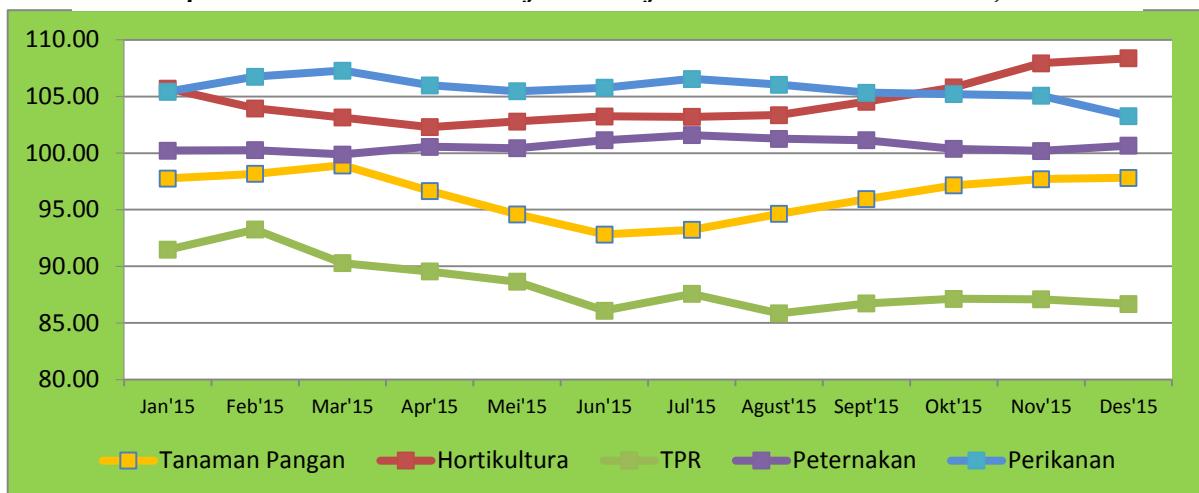
*FTT of North Sulawesi in 2016 tends to the slowly improvement and the figures are always below 100 point. This condition must be a strategic and focus issue for regional government and other stakeholders to push and increase the welfare of farmers.*

*In contrast to the  $I_t$ , the  $I_b$  shows a pretty interesting fluctuations from month to month. Started from 114.66 in the first quarter in January, this index steadily increase every month until in the end of year, this index stop at 119.35.*

*The biggest index of  $I_b$  in the year of 2015 is in December, at 123.24. The index movement is caused on the fluctuation of consumption index of household and cost of production and capital formation spent by farmers. Sinlarly with index  $I_b$ , the highest index within consumption index of house hold and cost of production and capital formation spent index is occurred in December, at 127.71 for consumption index and 110,91 for cost of production and capital formation spent index.*

*The FTT index based on sub sectors of agriculture shows that Sub sectors of horticulture and fishery have the index higher than 100 in the year 2015. This condition can be indicated that farmers working in sub sectors of horticulture and fishery have a better life in terms of welfare compare to the other farmers who are working in other agriculture sub sectors.*

**Grafik 4.2. Nilai Tukar Petani Provinsi Sulawesi Utara, 2015**  
**Graph 4.2. Farmers' Terms of Trade of North Sulawesi Province, 2015**



## 4.2. NTP Sub sektor

### NTP Subsektor Tanaman Pangan

Grafik 3 di atas menunjukkan pergerakan NTP tanaman pangan yang relatif berfluktuatif di sepanjang tahun 2015, dimulai dari 97.76 di bulan Januari kemudian naik meningkat di bulan Februari dan bulan Maret pada nilai masing-masing sebesar 98.17 dan 98.92. Kemudian nilai ini menurun hingga di bulan Juli pada nilai 93.32. Namun nilai ini kembali meningkat di bulan Agustus, sebesar 94.64 hingga ditutup di bulan Desember pada nilai 97.81.

### NTP Sub Sektor Tanaman Hortikultura

Subsektor tanaman hortikultura merupakan salah satu subsektor yang memiliki fluktuasi  $I_t$ ,  $I_b$ , dan NTP sepanjang tahun 2015, dimana indeks  $I_t$  selalu berada di atas indeks  $I_b$ .

## 4.2. Sub Sector FTT

### FTT for Food Crops Subsector

Chart 3 below shows the movement of FTT which is relatively fluctuated during the year 2015, started from 97.76 in January, the figure incline in February and March, respectively 98.17 and 98.92. The figures remain decline each month to July at the point 93.32. However, this point incline in August, at 94.64 until in the end of year, December, stop at 97.81.

### FTT for Horticulture Subsector

Horticultural crops sub-sector is one of the sub-sectors with fluctuations on  $I_t$ ,  $I_b$ , and the FTT through the year 2015, where the index  $I_t$  is always higher than index  $I_b$ .

Keadaan ini mengindikasikan bahwa output yang dihasilkan petani dari komoditi yang diusahakannya dalam bentuk harga telah dapat memenuhi seluruh pengeluaran rumah tangga petani untuk kebutuhan seluruh anggota rumah tangga dan usaha pertaniannya. Hal ini mengakibatkan nilai tukar petani di subsektor ini selalu berada di atas 100 setiap bulannya. Besarnya nilai tukar petani di atas 100 mengindikasikan bahwa keadaan kesejahteraan petani di subsektor ini lebih baik dibandingkan dengan keadaan petani pada tahun dasarnya, 2012.

#### **NTP Subsektor Tanaman Perkebunan Rakyat**

Fluktuasi NTP subsektor TPR dipengaruhi oleh adanya fluktuasi  $I_t$  dan  $I_b$  sepanjang tahun 2015. Secara umum indeks  $I_t$  bergerak lebih lambat dibandingkan dengan indeks  $I_b$ . Indeks  $I_t$  dimulai dari angka 107.51 di bulan Januari, kemudian naik meningkat dibulan februari dengan nilai 109.63, dan dibulan Maret mengalami penurunan dengan nilai 106.69 sampai pada bulan juni masih mengalami penurunan dengan angka 102.60. Namun kembali meningkat pada bulan Juli, menjadi 104.84. Kemudian turun lagi Pada Bulan Agustus dengan angka 103.76, indeks ini kembali naik pada bulan September dengan nilai 105.70 dan terus naik sampai akhir bulan desember dengan nilai 107.38.

*This situation describes that output produced by farmers for commodities occupied and converted to prices already satisfied all of expenses of household members and all expenses for agriculture. Therefore, the Farmers' Terms of Trade in this subsector are always above 100 each month. The value of FTT which is more than 100 indicates that the condition of farmer family welfare in this subsector is better than the condition of farmer family in the base year of 2012.*

#### **FTT for Smallholders Estate Crops Subsector**

*The fluctuations of FTT on the Subsector of Smallholders Estate Crops are affected by the fluctuations on  $I_t$  and  $I_b$ . In general, index of  $I_t$  is moving slower than index  $I_b$ . Index  $I_t$  started at 107.51 in January, moving incline in february, at 109.63,. The figures remain decline in march at 106.69 to Juny is that decline on 102.60. However this point incline on July to 104.84. The figures remain decline again in August at 103.76, Index Moving incline again for September to 105.70 and keep increasing in December 2015 at point 107.38.*



Berbeda halnya dengan indeks Ib, pergerakan indeks ini lebih cepat, dimulai dengan nilai 117.54 di bulan Januari, bergerak naik setiap bulan hingga memasuki bulan Juli, sebesar 119.72, hingga di akhir tahun 2015, bulan Desember indeks ini terus meningkat hingga pada nilai 123.87.

Sepanjang tahun 2015, nilai NTP di sub sektor ini selalu berada di bawah nilai 100, artinya bahwa tingkat kesejahteraan petani sub sektor tanaman perkebunan rakyat sepanjang tahun 2015 pada umumnya masih belum sejahtera dibandingkan dengan kondisi tahun dasarnya, tahun 2012

### NTP Subsektor Peternakan

Nilai NTP sub sektor peternakan mengalami perubahan naik dan turun di sepanjang tahun 2015. NTP di bulan Januari sampai dengan bulan Februari berada di nilai 100, bermula dari nilai 100.22 di bulan Januari dan terus meningkat menjadi 100.27 sampai bulan Februari. Memasuki Bulan Maret Nilai tukar petani mengalami penurunan dengan angka 99.88. Dan Pada Bulan April nilai tukar petani meningkat berada di nilai di atas 100, yaitu sebesar 100.56 dan terus meningkat setiap bulan hingga di bulan September sebesar 101,14. Kondisi ini tidak bertahan sampai akhir tahun 2015, dimana nilai ini kembali turun pada bulan Oktober dengan nilai 100.35 terus meningkat sampai akhir tahun 2015 dengan angka 100.65

*This condition is relatively different from index of Ib, this index is moving more faster, started with point 117.54 in January, relatively move forward each month up to July, at 119.72 and finally in the end of year 2015, December, this index keep increase at the point 123.87.*

*During the year 2015, the value of FTT on this sub-sector remained below to 100. It means that the situation of farmer family welfare in 2015 in the subsector of smallholder crop is not as same as the situation of farmer family welfare in the base year 2012*

### **The FTT for Animal Husbandry Subsector**

*The value of FTT on subsector of animal husbandry steadily fluctuated in the whole months of 2015. The values of farmer's terms of trade from January to April are higher than point 100, started from 100.22 in January, and keep incline to 100.27 on February. Enter March FTT decline in value 99.88. The Figures FTT increased on April is above 100, at value 100.56 and keep incline every month to September 101.14. The condition of FTT dramatically is not stay on last year 2015, where this value back decline on Ocktober at 100.35 and keep increase to last year 2015 in value 100.65.*

## NTP Sub Sektor Perikanan

Pergerakan NTP subsektor perikanan di sepanjang tahun 2015 menunjukkan pergerakan yang lebih baik dibandingkan dengan tahun sebelumnya. Walaupun pergerakan NTP subsektor ini sangat berfluktuasi setiap bulannya, akan tetapi nilai tukar petaninya masih bergerak pada nilai di atas 100. Bergerak dari nilai 105.42 di bulan Januari dan meningkat sampai bulan Maret 107.28, menurun di bulan April dengan nilai 105.99 berfluktuasi sampai bulan juni dengan nilai 105.77, Kemudian naik lagi di Bulan Juli dengan nilai 106.55 dan berfluktuasi lagi sampai pada akhir tahun 2015 bulan desember yaitu 103.27.

Semenjak tahun 2015, subsektor perikanan diklasifikasikan lagi menjadi dua subsektor, yakni subsektor perikanan tangkap, dan subsektor perikanan budi daya.

Pembagian kelompok subsektor ini dilakukan untuk membedakan indikator kesejahteraan petani di subsektor perikanan yang lebih spesifik antara nelayan yang menangkap ikan dan petani yang membudidayakan perikanan.

Dari hasil perhitungan NTP, diperoleh bahwa keadaan nilai tukar petani di subsektor penangkapan ikan lebih baik dibandingkan petani yang melakukan budidaya perikanan. Walau pergerakan NTP penangkapan laut bergerak naik turun, nilai tersebut masih berada di atas seratus,



### ***FTT of Fisheries Subsector***

*The FTT of subsector fishery in 2015 shows a better movement than previous years. Even though the moving figures of this FTT is quite fluctuated each month, the FTT is still flowing at the point above 100. Started from 105.42 in January, and increase to March at 107.28, this figure is decline in April, at 105.99, and fluctuating to Juny at 105.77, in Month July increase at 106.55 and back fluctuating again to last year 2015 in December is 103.27.*

*In the beginning of 2015, subsector of fishery is devided to be two groups, subsector of fishing and subsector of aquaculture. The separately division of fishery subsector was made to distinguish the welfare indicator specifically between sea fishery and aquaculture fishery.*

*Based on the formula calculation of FTT, the condition of farmer welfare shows that the performance of sea fishery from FTT is better than aquaculture fishery. Even though the FTT movement of sea fishery irrelatively fluctuated irregularly to be ups and down. the figure of FTT each month is still above 100, where the FTT in January is at 110.15, and at the end of December 2015 will be closed at 108.86.*

dimana bulan Januari NTPnya sebesar 110.15 dan bulan Desember berakhir di nilai 108.86. Di sisi lain, NTP subsektor budidaya secara umum berada di bawah nilai 100. NTP terendah terjadi di bulan Oktober, sebesar 92.94 dan yang tertinggi terjadi di bulan Februari, sebesar 97.43.

### **Indeks Konsumsi Rumah Tangga**

Perubahan Indeks Konsumsi Rumah Tangga (IKRT) yang terjadi di daerah perdesaan mencerminkan inflasi yang terjadi di wilayah perdesaan. Kenaikan IKRT selama tahun 2014 cukup beragam. IKRT di bulan Januari sampai dengan bulan Desember terus mengalami peningkatan, bermula sebesar 119.77 meningkat menjadi 127.71 di bulan Desember.

Selama tahun 2015 terjadi kenaikan IKRT secara tahun kalender sebesar 8,67 persen. Kenaikan tersebut terutama dipicu oleh naiknya harga-harga komoditi pada kelompok bahan makanan sebesar 12,01 persen; makanan jadi 5,01 persen; perumahan 5,42 persen; sandang 4,63 persen; kesehatan 2,63 persen; pendidikan, rekreasi dan olah raga 3,15 persen; serta transportasi dan komunikasi 11,34 persen.

*On the other hand, FTT of aquaculture fishery in general is below 100. The lowest FTT occurred in October, at 92.94 and the highest FTT is at 101,00 in february.*

### **Household Consumption Index**

*Household consumption index (HCI) changes in rural areas reflects the inflation occurred in rural areas. The increase of HCI in 2015 is relatively diverse. HCI from January to July keep showing the increase of index, started at 119.77 this index increase to be 127.71 in month December.*

*During 2015, the increase of HCI per year reached at 8.67 percent. The increase was mainly fuelled by the increase in all index of expenditure group, i.e. foodstuff 12.01 percent; prepared food 5.01 percent ; housing 5.42 percent; clothing 4.63 percent; health 2.63 percent; education, recreation, and sport 3.15 percent; as well as transport and communication 11.34 percent.*

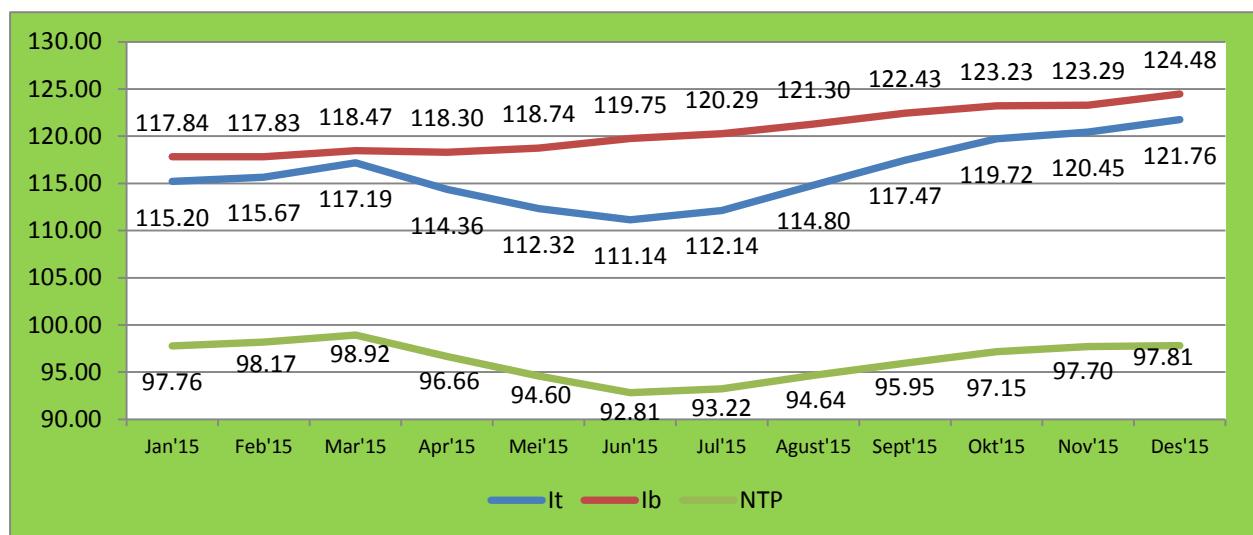


# **GRAFIK DAN TABEL/ GRAPHS AND TABLES**

http://sulut.bps.go.id

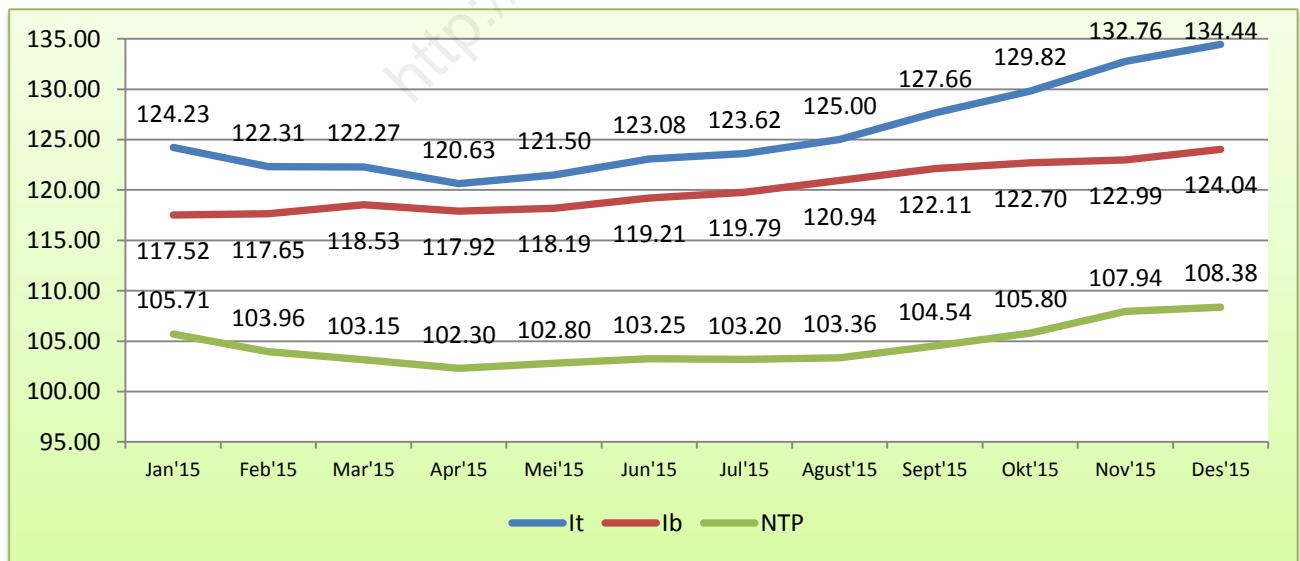
**Grafik 1. Perkembangan Indeks pada Subsektor Tanaman Pangan Tahun 2015**

*Graph 1. Index Performance of FTT for Food Crops Subsector, 2015*

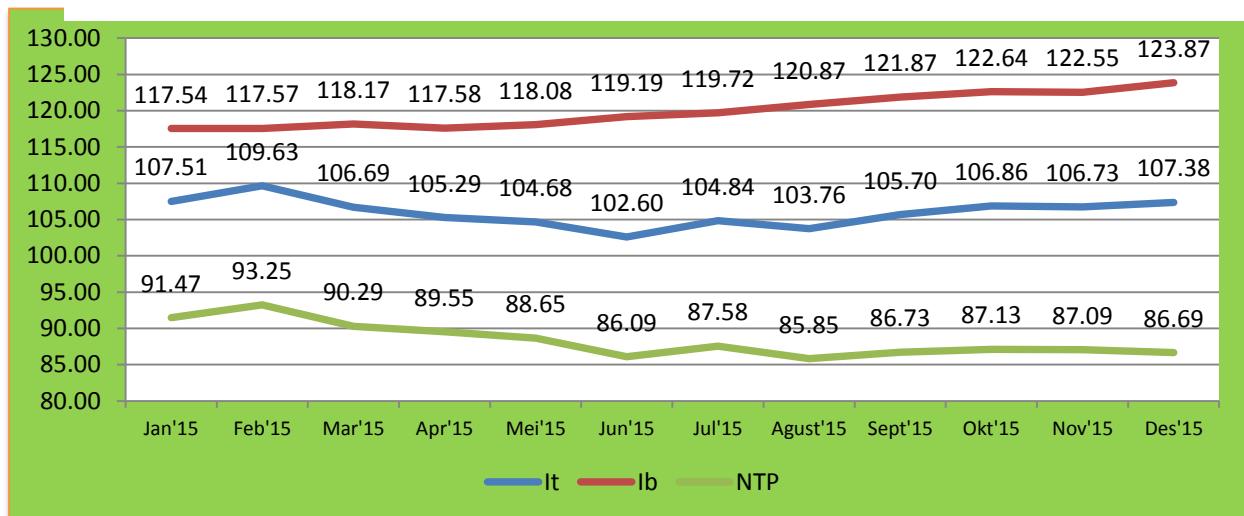


**Grafik 2. Perkembangan Indeks pada Subsektor Hortikultura, 2015**

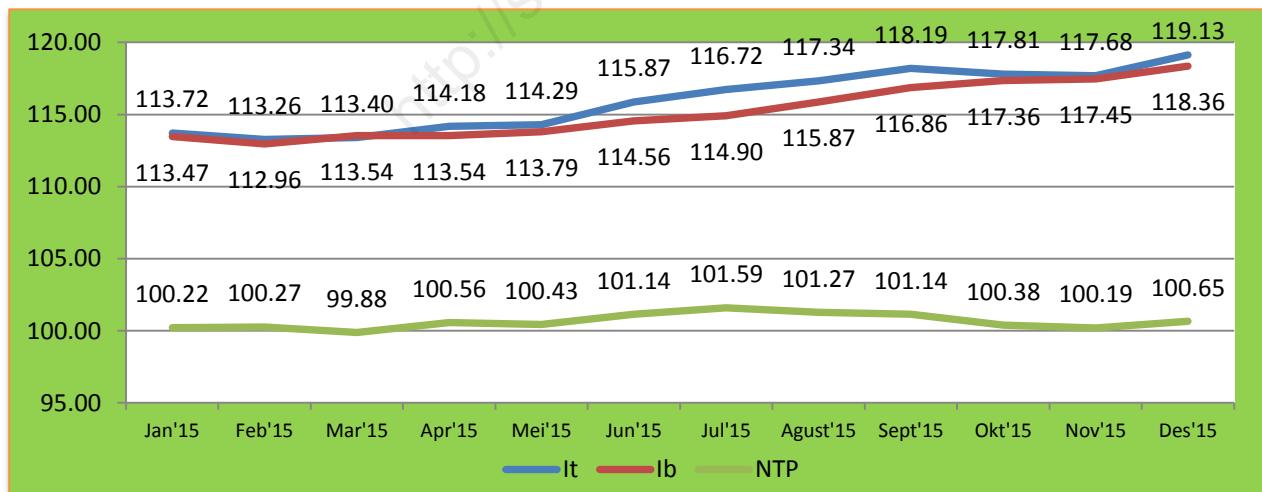
*Graph 2. Index Performance of FTT for Horticulture Subsector, 2015*



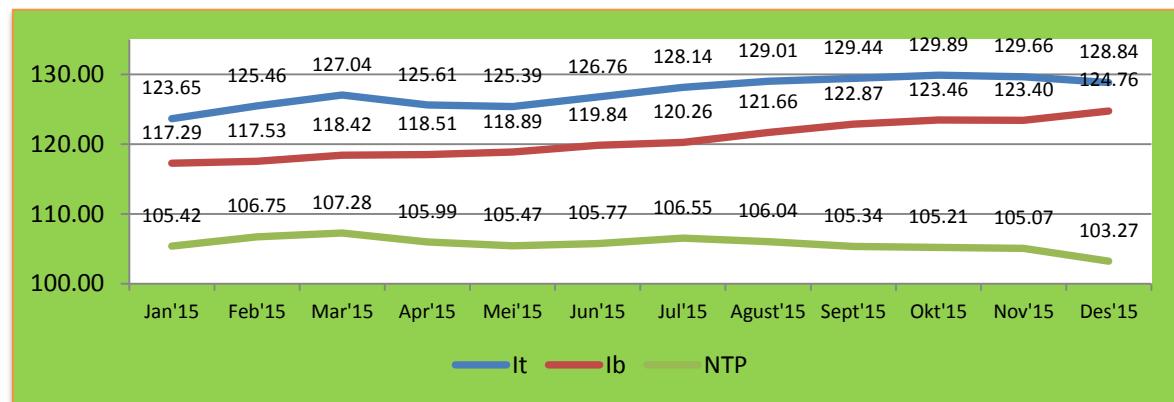
**Grafik 3. Perkembangan Indeks pada Subsektor TPR, 2015**  
**Graph 3. Index Performance of FTT for Smallholders Estate Crops Subsector, 2015**



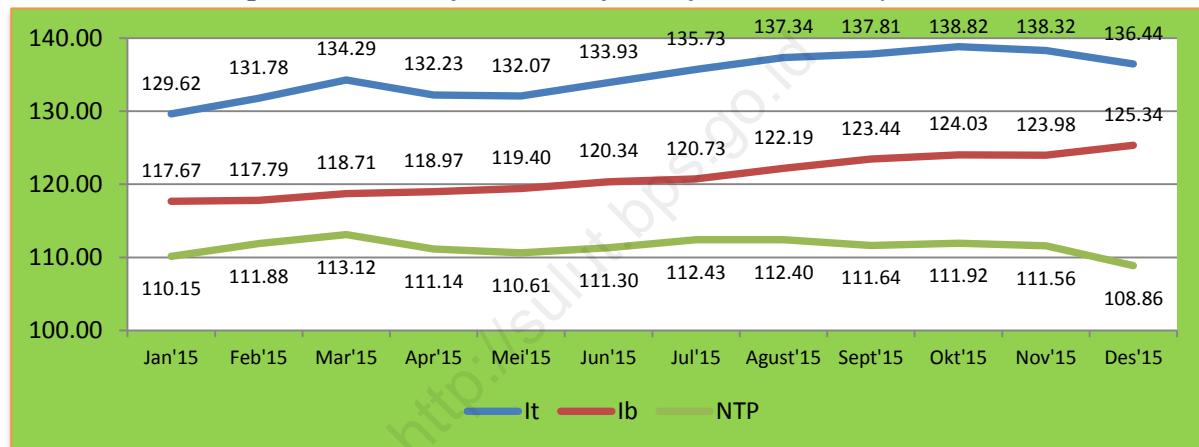
**Grafik 4. Perkembangan Indeks pada Subsektor Peternakan Tahun 2015**  
**Graph 4. Index Performance of FTT for Animal Husbandry Subsector, 2015**



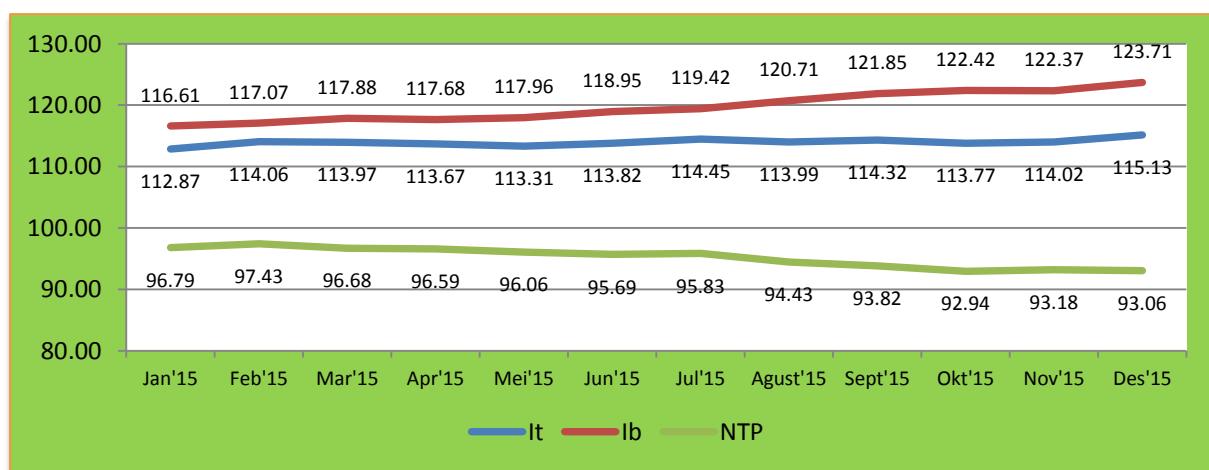
**Grafik 5. Perkembangan Indeks pada Subsektor Perikanan, Tahun 2015**  
**Graph 5. Index Performance of FTT in Fisheries Subsector, 2015**



**Grafik 8. Perkembangan Indeks pada Subsektor Penangkapan Ikan di Laut, 2015**  
**Graph 8. Index Performance of FTT for Sea Fishery Subsector, 2015**



**Grafik 9. Perkembangan Indeks pada Subsektor Perikanan Budidaya, Tahun 2015**  
**Graph 9. Index Performance of FTT for Aquaculture Fishery Subsector, 2015**



**Tabel 1.** Nilai Tukar Petani Provinsi Sulawesi Utara  
**Table** Tahun 2008 – 2015  
*Farmers' Term of Trade Province of North Sulawesi*  
*2008 – 2015*

| Tahun<br>year | $I_t$  | $I_b$   |   |                        |                   |
|---------------|--------|---|---|------------------------|-------------------|
|               |        | Konsumsi RT<br><i>Household Consumption Index</i> | BPPBM<br><i>Cost of Production&amp; Capital Formation Index</i> | Umum<br><i>General</i> | NTP<br><i>FTT</i> |
| (1)           | (2)    | (3)   | (4)   | (5)                    | (6)               |
| 2008          | 116,05 | 116,13  | 108,82  | 114,12                 | 101,48            |
| 2009          | 121,21 | 121,68  | 113,06  | 119,53                 | 101,41            |
| 2010          | 125,54 | 126,86  | 115,40  | 123,93                 | 101,30            |
| 2011          | 133,90 | 134,01  | 117,07  | 129,73                 | 103,22            |
| 2012          | 137,95 | 140,57  | 120,20  | 135,41                 | 101,87            |
| 2013          | 142,74 | 149,26  | 120,70  | 142,06                 | 100,50            |
| 2014          | 111,45 | 114,34  | 106,54  | 112,16                 | 99,37             |
| 2015          | 115,20 | 122,90  | 110,02  | 119,42                 | 96,47             |

Ket: 2008-2013 menggunakan tahun dasar 2007,2014 - 2015 menggunakan tahun dasar 2012

**Tabel 2.**  
**Table**

Nilai Tukar Petani Provinsi Sulawesi Utara  
Januari – Desember 2015 (2012=100)

*Farmers' Terms of Trade Province of North Sulawesi  
January – December 2015 (2012=100)*

| Rincian   | Jan           | Feb           | Mar           | Apr           |
|---|---------------|---------------|---------------|---------------|
| (1)   | (2)           | (3)           | (4)           | (5)           |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>     | <b>114.66</b> | <b>115.17</b> | <b>114.64</b> | <b>113.20</b> |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>          | <b>116.94</b> | <b>116.91</b> | <b>117.60</b> | <b>117.24</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                | <b>119.77</b> | <b>119.92</b> | <b>120.78</b> | <b>120.06</b> |
| Bahan Makanan/Food Stuff  | 126.19        | 126.52        | 128.06        | 125.92        |
| Makanan Jadi/Prepared Food  | 111.87        | 112.49        | 112.56        | 112.86        |
| Perumahan/Housing   | 115.33        | 115.90        | 116.37        | 116.21        |
| Sandang/Clothing  | 109.55        | 109.64        | 109.14        | 109.08        |
| Kesehatan/Health  | 108.64        | 109.66        | 110.17        | 110.23        |
| Pendidikan,Rekreasi&Olah raga/Education,Recreation&Sport          | 105.77        | 105.48        | 105.52        | 105.50        |
| Transportasi dan Komunikasi/Transportation & Communication        | 128.14        | 125.90        | 126.93        | 128.88        |
| <b>BPPBM</b>  | <b>109.41</b> | <b>108.92</b> | <b>109.10</b> | <b>109.78</b> |
| Bitit/Seed  | 109.40        | 109.03        | 108.71        | 108.74        |
| Obat-obatan & Pupuk/Fertilizer&Drugs                              | 106.69        | 106.68        | 106.18        | 106.33        |
| Sewa Lahan, Pajak & Lainnya/Rental Cost&Other                     | 106.91        | 106.91        | 107.21        | 107.40        |
| Transportasi/Transportation                                       | 128.05        | 122.77        | 124.88        | 128.62        |
| Penambahan Barang Modal/Additional Capital Goods                  | 106.45        | 106.44        | 106.42        | 106.78        |
| Upah Buruh Tani/Wages of Farm Labour                              | 108.91        | 109.30        | 109.66        | 110.27        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                 | <b>98.04</b>  | <b>98.51</b>  | <b>97.49</b>  | <b>96.55</b>  |
| <b>Nilai Tukar Usaha Petani/Farmers' Bussiness Terms of Trade</b> | <b>104.79</b> | <b>105.74</b> | <b>105.08</b> | <b>103.12</b> |

**Tabel 2.**  
**Table**

Nilai Tukar Petani Provinsi Sulawesi Utara  
Januari – Desember 2015 (2012=100)

*Farmers' Terms of Trade Province of North Sulawesi  
January – December 2015 (2012=100)*

*(lanjutan/ continued)*

| Rincian/Details   | Mei<br>(2)    | Jun<br>(3)    | Jul<br>(4)    | Ags<br>(5)    |
|---|---------------|---------------|---------------|---------------|
| <b>(1)</b>  |               |               |               |               |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>     | <b>112.68</b> | <b>112.34</b> | <b>113.68</b> | <b>114.36</b> |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>          | <b>117.63</b> | <b>118.64</b> | <b>119.14</b> | <b>120.25</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                | <b>120.58</b> | <b>121.91</b> | <b>122.49</b> | <b>123.93</b> |
| Bahan Makanan/Food Stuff  | 126.68        | 129.19        | 129.92        | 132.86        |
| Makanan Jadi/Prepared Food  | 113.90        | 114.86        | 115.86        | 116.36        |
| Perumahan/Housing   | 116.31        | 116.45        | 116.56        | 116.88        |
| Sandang/Clothing  | 109.07        | 109.12        | 109.21        | 109.52        |
| Kesehatan/Health  | 110.29        | 110.91        | 118.84        | 111.89        |
| Pendidikan, Rekreasi & Olah raga/Education, Recreation, and Sport | 105.46        | 105.49        | 106.18        | 106.23        |
| Transportasi dan Komunikasi/Transportation and Communication      | 128.95        | 129.20        | 129.33        | 129.30        |
| <b>BPPBM</b>  | <b>109.85</b> | <b>109.90</b> | <b>110.14</b> | <b>110.25</b> |
| Bibit/Seed  | 108.65        | 108.97        | 108.75        | 108.60        |
| Obat-obatan & Pupuk/Drugs&Fertilizers                             | 106.31        | 106.35        | 106.94        | 107.06        |
| Sewa Lahan, Pajak & Lainnya/Land Rental,Tax&Others                | 107.72        | 107.65        | 107.82        | 107.91        |
| Transportasi/Transportation                                       | 128.90        | 128.90        | 129.23        | 129.63        |
| Penambahan Barang Modal/Additional Capital Goals                  | 106.42        | 106.49        | 106.71        | 106.73        |
| Upah Buruh Tani/Wages of Farm Labour                              | 110.47        | 110.47        | 110.47        | 110.53        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                 | <b>95.79</b>  | <b>94.70</b>  | <b>95.42</b>  | <b>95.11</b>  |
| <b>Nilai Tukar Usaha Petani/Farmers' Business Terms of Trade</b>  | <b>102.58</b> | <b>102.22</b> | <b>103.21</b> | <b>103.73</b> |

Tabel 2.  
Table

Nilai Tukar Petani Provinsi Sulawesi Utara  
Januari – Desember 2015 (2012=100)

*Farmers' Terms of Trade Province of North Sulawesi  
January – December 2015 (2012=100)*

(lanjutan/ continued)

| Rincian/Details  | Sept          | Okt           | Nov           | Des           |
|--|---------------|---------------|---------------|---------------|
| (1)  | (2)           | (3)           | (4)           | (5)           |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>        | <b>116.33</b> | <b>117.66</b> | <b>118.32</b> | <b>102.73</b> |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>             | <b>121.32</b> | <b>122.01</b> | <b>122.06</b> | <b>123.24</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                   | <b>125.31</b> | <b>126.17</b> | <b>126.18</b> | <b>127.71</b> |
| Bahan Makanan/Food Stuff   | 135.28        | 136.86        | 136.79        | 139.89        |
| Makanan Jadi/Prepared Food   | 117.34        | 117.89        | 117.85        | 118.09        |
| Perumahan/Housing  | 117.36        | 117.67        | 117.92        | 118.42        |
| Sandang/Clothing   | 109.67        | 109.73        | 109.86        | 110.39        |
| Kesehatan/Health   | 112.73        | 113.15        | 113.27        | 113.34        |
| Pendidikan, Rekreasi & Olah raga/Education, Recreation, and Sport    | 106.16        | 106.19        | 106.31        | 106.31        |
| Transportasi dan Komunikasi/Transportation and Communication         | 129.79        | 129.85        | 129.78        | 130.05        |
| <b>BPPBM</b>   | <b>110.50</b> | <b>110.65</b> | <b>110.84</b> | <b>110.91</b> |
| Bitit/Seed   | 109.08        | 109.69        | 109.81        | 109.77        |
| Obat-obatan & Pupuk/Drugs&Fertilizer                                 | 106.93        | 106.94        | 107.38        | 107.58        |
| Sewa Lahan, Pajak & Lainnya/Land Rental, Tax&Others                  | 107.71        | 107.71        | 107.72        | 107.78        |
| Transportasi/Transportation  | 130.05        | 130.06        | 130.17        | 130.23        |
| Penambahan Barang Modal/Additional Capital Goods                     | 107.11        | 107.09        | 107.34        | 107.11        |
| Upah Buruh Tani/Wages of Farm Labour                                 | 110.93        | 111.20        | 111.34        | 111..34       |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                    | <b>95.89</b>  | <b>96.43</b>  | <b>96.93</b>  | <b>96.85</b>  |
| <b>Nilai Tukar Usaha Pertanian/Farmers' Bussiness Terms of Trade</b> | <b>105.28</b> | <b>106.33</b> | <b>106.74</b> | <b>107.62</b> |

**Tabel 3. Nilai Tukar Petani Subsektor Tanaman Pangan**  
**Table Provinsi Sulawesi Utara, Januari-Desember 2015 (2012=100)**

*Farmers' Terms of Trade of Food Crops Subsector*  
*Province of North Sulawesi, January – December 2015 (2012=100)*

| Rincian/Details   | Jan           | Feb           | Mar           | Apr           |
|---|---------------|---------------|---------------|---------------|
| (1)   | (2)           | (3)           | (4)           | (5)           |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>       | <b>115.20</b> | <b>115.67</b> | <b>117.19</b> | <b>114.36</b> |
| Padi/Paddy  | 110.54        | 111.00        | 115.37        | 112.57        |
| Palawija/Secondary Crops  | 120.19        | 120.67        | 119.14        | 116.27        |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>            | <b>117.84</b> | <b>117.83</b> | <b>118.47</b> | <b>118.30</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                  | <b>119.75</b> | <b>119.86</b> | <b>120.60</b> | <b>120.05</b> |
| Bahan Makanan/Food Stuff  | 126.58        | 127.01        | 128.30        | 126.44        |
| Makanan Jadi/Prepared Food  | 112.21        | 112.64        | 112.72        | 113.05        |
| Perumahan/Housing   | 115.37        | 115.85        | 116.29        | 116.18        |
| Sandang/Clothing  | 109.36        | 109.48        | 108.93        | 108.83        |
| Kesehatan/Health  | 109.95        | 110.98        | 111.34        | 111.40        |
| Pendidikan, Rekreasi & Olahraga/Education, Recreation, and Sport    | 106.53        | 106.05        | 106.09        | 106.04        |
| Transportasi dan Komunikasi/Transportation and Communication        | 127.21        | 124.53        | 125.76        | 128.28        |
| <b>BPPBM/Cost of Production&amp;Additional Capital Goods</b>        | <b>111.28</b> | <b>110.83</b> | <b>111.18</b> | <b>112.31</b> |
| Bibit/Seed  | 104.68        | 104.23        | 104.23        | 103.85        |
| Obat-obatan & Pupuk/Drugs&Fertilizer                                | 103.22        | 104.10        | 103.68        | 103.82        |
| Sewa Lahan, Pajak & Lainnya/Land Rental, Tax&Others                 | 118.29        | 118.97        | 118.97        | 120.03        |
| Transportasi dan Komunikasi/Transportation and Communication        | 136.48        | 127.58        | 131.20        | 138.51        |
| Penambahan Barang Modal/Additional Capital Goods                    | 105.20        | 104.79        | 104.79        | 105.42        |
| Upah Buruh Tani/Wages of Farms Labour                               | 111.56        | 111.67        | 112.08        | 113.05        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                   | <b>97.76</b>  | <b>98.17</b>  | <b>98.92</b>  | <b>96.66</b>  |
| <b>Nilai Tukar Usaha Pertanian/Farmers' Business Terms of Trade</b> | <b>103.52</b> | <b>104.36</b> | <b>105.41</b> | <b>101.82</b> |

**Tabel 3.** Nilai Tukar Petani Subsektor Tanaman Pangan  
**Table** Provinsi Sulawesi Utara, Januari-Desember 2015 (2012=100)  
*Farmers' Terms of Trade of Food Crops Subsector*  
*Province of North Sulawesi, January – December 2015 (2012=100)*

| Rincian/ <i>Details</i>  | Mei<br>(2)    | Jun<br>(3)    | Jul<br>(4)    | Ags<br>(5)    |
|--|---------------|---------------|---------------|---------------|
| <b>Indeks Diterima Petani/<i>Price Received by Farmers Index</i></b>       | <b>112.32</b> | <b>111.14</b> | <b>112.14</b> | <b>114.80</b> |
| Padi/ <i>Paddy</i>   | 110.49        | 109.17        | 110.19        | 113.24        |
| Palawija/ <i>Secondary Crops</i>   | 114.29        | 113.26        | 114.22        | 116.48        |
| <b>Indeks Dibayar Petani/<i>Price Paid by Farmers Index</i></b>            | <b>118.74</b> | <b>119.75</b> | <b>120.29</b> | <b>121.30</b> |
| <b>Konsumsi Rumah Tangga/<i>Household Consumption</i></b>                  | <b>120.62</b> | <b>121.93</b> | <b>122.57</b> | <b>123.83</b> |
| Bahan Makanan/ <i>Food Stuff</i>   | 127.27        | 129.81        | 130.69        | 133.31        |
| Makanan Jadi/ <i>Prepared Food</i>   | 114.18        | 115.05        | 116.06        | 116.59        |
| Perumahan/ <i>Housing</i>  | 116.37        | 116.54        | 116.65        | 116.89        |
| Sandang/ <i>Clothing</i>   | 108.90        | 108.95        | 109.04        | 109.35        |
| Kesehatan/ <i>Health</i>   | 111.59        | 112.21        | 113.26        | 113.18        |
| Pendidikan, Rekreasi & Olah raga/ <i>Education, Recreation&amp;Sport</i>   | 105.98        | 106.05        | 106.73        | 106.84        |
| Transportasi dan Komunikasi/ <i>Transport&amp;Communication</i>            | 128.43        | 128.70        | 128.83        | 128.79        |
| <b>BPPBM/<i>Cost of Production&amp;Additional Capital Goals</i></b>        | <b>112.28</b> | <b>112.30</b> | <b>112.45</b> | <b>112.62</b> |
| Bibit/ <i>Seed</i>   | 103.59        | 104.27        | 104.92        | 105.47        |
| Obat-obatan & Pupuk/ <i>Drugs&amp;Fertilizer</i>                           | 103.82        | 103.80        | 104.05        | 104.34        |
| Sewa Lahan, Pajak & Lainnya/ <i>Land Rental, Tax &amp; Others</i>          | 120.03        | 120.03        | 120.03        | 120.03        |
| Transportasi/ <i>Transportation</i>  | 138.33        | 138.33        | 139.38        | 139.82        |
| Penambahan Barang Moda/ <i>Additional Capital Goals</i>                    | 105.42        | 105.23        | 105.20        | 105.50        |
| Upah Buruh Tani/ <i>Wages of Farm Labour</i>                               | 113.05        | 113.05        | 113.05        | 113.05        |
| <b>Nilai Tukar Petani/<i>Farmers' Terms of Trade</i></b>                   | <b>94.60</b>  | <b>92.81</b>  | <b>93.22</b>  | <b>94.64</b>  |
| <b>Nilai Tukar Usaha Pertanian/<i>Farmers' Business Terms of Trade</i></b> | <b>100.04</b> | <b>98.97</b>  | <b>99.72</b>  | <b>101.94</b> |

Lanjutan/*Continued*

**Tabel 3.** Nilai Tukar Petani Subsektor Tanaman Pangan  
**Table** Provinsi Sulawesi Utara, Januari-Desember 2015 (2012=100)

*Farmers' Terms of Trade of Food Crops Subsector*  
*Province of North Sulawesi, January – December 2015 (2012=100)*

(lanjutan/*Continued*)

| Rincian/ <i>Details</i>   | Sep           | Okt           | Nov           | Des           |
|---|---------------|---------------|---------------|---------------|
| (1)   | (2)           | (3)           | (4)           | (5)           |
| <b>Indeks Diterima Petani/<i>Price Received by Farmers Index</i></b>        | <b>117.47</b> | <b>119.72</b> | <b>120.45</b> | <b>121.76</b> |
| Padi/ <i>Paddy</i>  | 114.32        | 118.28        | 118.76        | 119.37        |
| Palawija/ <i>Secondary Crops</i>  | 120.83        | 121.26        | 122.27        | 124.32        |
| <b>Indeks Dibayar Petani/<i>Price Paid by Farmers Index</i></b>             | <b>122.43</b> | <b>123.23</b> | <b>123.29</b> | <b>124.48</b> |
| <b>Konsumsi Rumah Tangga/<i>Household Consumption</i></b>                   | <b>125.13</b> | <b>126.08</b> | <b>126.09</b> | <b>127.62</b> |
| Bahan Makanan/ <i>Food Stuff</i>  | 135.48        | 137.31        | 137.19        | 140.32        |
| Makanan Jadi/ <i>Prepared Food</i>  | 117.56        | 118.14        | 118.11        | 118.35        |
| Perumahan/ <i>Housing</i>   | 117.57        | 117.84        | 118.07        | 118.50        |
| Sandang/ <i>Clothing</i>  | 109.71        | 109.80        | 109.96        | 110.48        |
| Kesehatan/ <i>Health</i>  | 113.84        | 114.22        | 114.35        | 114.42        |
| Pendidikan, Rekreasi & Olah raga/ <i>Education, Recreation,&amp; Sport</i>  | 106.65        | 106.77        | 106.97        | 106.97        |
| Transportasi dan Komunikasi/ <i>Transportation&amp;Communication</i>        | 129.46        | 129.52        | 129.53        | 129.88        |
| <b>BPPBM/<i>Cost of Production&amp;Additional Capital Goods</i></b>         | <b>113.15</b> | <b>113.45</b> | <b>113.64</b> | <b>113.71</b> |
| Bibit/seed  | 106.61        | 106.96        | 107.31        | 107.67        |
| Obat-obatan & Pupuk/ <i>Drugs&amp;Fertilizer</i>                            | 104.26        | 104.30        | 105.32        | 105.46        |
| Sewa Lahan, Pajak & Lainnya/ <i>Land Rental,Tax&amp;Others</i>              | 119.84        | 119.84        | 119.84        | 119.84        |
| Transportasi/ <i>Transportation</i>   | 139.50        | 139.42        | 139.47        | 139.81        |
| Penambahan Barang Modal/ <i>Additional Capital Goods</i>                    | 106.29        | 106.22        | 106.22        | 106.18        |
| Upah Buruh Tani/ <i>Wages of Farm Labour</i>                                | 114.02        | 114.77        | 114.77        | 114.77        |
| <b>Nilai Tukar Petani/<i>Farmers' Terms of Trade</i></b>                    | <b>95.95</b>  | <b>97.15</b>  | <b>97.70</b>  | <b>97.81</b>  |
| <b>Nilai Tukar Usaha Pertanian/<i>Farmers' Bussiness Terms of Trade</i></b> | <b>103.81</b> | <b>105.52</b> | <b>105.99</b> | <b>107.08</b> |

**Tabel 4.** Nilai Tukar Petani Subsektor Tanaman Hortikultura  
**Table** Provinsi Sulawesi Utara, Januari-Desember 2015 (2012=100)

*Farmers' Terms of Trade of Horticulture Subsector  
 Province of North Sulawesi, January – December 2015 (2012=100)*

| Rincian/Details   | Jan           | Feb           | Mar           | Apr           |
|---|---------------|---------------|---------------|---------------|
| (1)   | (2)           | (3)           | (4)           | (5)           |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>       | <b>124.23</b> | <b>122.31</b> | <b>122.27</b> | <b>120.63</b> |
| Sayur-sayuran/Vegetables  | 126.38        | 123.88        | 123.43        | 121.35        |
| Buah-buahan/Fruits  | 112.51        | 113.90        | 116.24        | 117.07        |
| Tanaman Obat/Medical Plants   | 115.05        | 114.00        | 114.66        | 113.35        |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>            | <b>117.52</b> | <b>117.65</b> | <b>118.53</b> | <b>117.92</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                  | <b>119.06</b> | <b>119.27</b> | <b>120.32</b> | <b>119.50</b> |
| Bahan Makanan/Food Stuff  | 124.39        | 124.86        | 126.84        | 124.63        |
| Makanan Jadi/Prepared Food  | 112.28        | 112.89        | 113.03        | 113.31        |
| Perumahan/Housing   | 115.85        | 116.04        | 116.41        | 116.15        |
| Sandang/Clothing  | 108.41        | 109.27        | 108.20        | 108.20        |
| Kesehatan/Health  | 108.58        | 109.58        | 110.42        | 110.47        |
| Pendidikan, Rekreasi & Olah raga/Education, Recreation, and Sport   | 107.64        | 107.43        | 107.47        | 107.45        |
| Transportasi dan Komunikasi/Transportation and Communication        | 126.68        | 124.50        | 125.52        | 127.42        |
| <b>BPPBM/Cost of Production&amp;Additional Capital Goods</b>        | <b>110.42</b> | <b>110.22</b> | <b>110.37</b> | <b>110.67</b> |
| Bibit/Seed  | 111.78        | 111.84        | 111.49        | 110.20        |
| Obat-obatan & Pupuk/Drugs&Fertilizer                                | 107.44        | 107.59        | 107.10        | 107.10        |
| Sewa Lahan, Pajak & Lainnya/Land Rental,Tax,Others                  | 105.13        | 105.01        | 105.75        | 105.75        |
| Transportasi/Transportation   | 117.07        | 113.15        | 114.30        | 116.95        |
| Penambahan Barang Moda/Additional Capital Goods                     | 110.56        | 111.00        | 111.43        | 111.44        |
| Upah Buruh Tani/Wages of Farm Labour                                | 112.29        | 113.33        | 113.33        | 113.82        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                   | <b>105.71</b> | <b>103.96</b> | <b>103.15</b> | <b>102.30</b> |
| <b>Nilai Tukar Usaha Pertanian/Farmers' Business Terms of Trade</b> | <b>112.51</b> | <b>110.97</b> | <b>110.79</b> | <b>109.00</b> |

**Tabel 4.** Nilai Tukar Petani Subsektor Tanaman Hortikultura  
**Table** Provinsi Sulawesi Utara, Januari-Desember 2015 (2012=100)

*Farmers' Terms of Trade of Horticulture Subsector*  
*Province of North Sulawesi, January – December 2015 (2012=100)*

| Rincian/ <i>Details</i>  | Mei<br>(2)    | Jun<br>(3)    | Jul<br>(4)    | Ags<br>(5)    |
|--|---------------|---------------|---------------|---------------|
| <b>Indeks Diterima Petani/<i>Price Received by Farmers Index</i></b>       | <b>121.50</b> | <b>123.08</b> | <b>123.62</b> | <b>125.00</b> |
| Sayur-sayuran/ <i>Vegetables</i>   | 122.42        | 123.76        | 124.95        | 126.49        |
| Buah-buahan/ <i>Fruits</i>   | 117.03        | 119.90        | 116.45        | 117.18        |
| Tanaman Obat/ <i>Medical Plants</i>  | 111.18        | 114.27        | 117.42        | 115.95        |
| <b>Indeks Dibayar Petani/<i>Price Paid by Farmers Index</i></b>            | <b>118.19</b> | <b>119.21</b> | <b>119.79</b> | <b>120.94</b> |
| <b>Konsumsi Rumah Tangga/<i>Household Consumption</i></b>                  | <b>119.82</b> | <b>121.09</b> | <b>121.73</b> | <b>123.11</b> |
| Bahan Makanan/ <i>Food Stuff</i>   | 124.91        | 127.33        | 128.24        | 130.91        |
| Makanan Jadi/ <i>Prepared Food</i>   | 114.42        | 115.22        | 116.15        | 116.79        |
| Perumahan/ <i>Housing</i>  | 116.35        | 116.49        | 116.56        | 117.08        |
| Sandang/ <i>Clothing</i>   | 108.21        | 108.22        | 108.27        | 108.43        |
| Kesehatan/ <i>Health</i>   | 110.57        | 111.13        | 112.17        | 112.26        |
| Pendidikan, Rekreasi & Olah raga/ <i>Education, Recreation, and Sport</i>  | 107.42        | 107.44        | 108.24        | 108.27        |
| Transportasi dan Komunikasi/ <i>Transportation and Communication</i>       | 127.53        | 127.76        | 127.89        | 127.86        |
| <b>BPPBM/<i>Cost of Production&amp;Additional Capital Goods</i></b>        | <b>110.73</b> | <b>110.60</b> | <b>110.90</b> | <b>110.98</b> |
| Bibit/Seed   | 110.30        | 110.68        | 110.46        | 109.99        |
| Obat-obatan & Pupuk/ <i>Drugs&amp;Fertilizer</i>                           | 107.11        | 106.56        | 107.24        | 107.62        |
| Sewa Lahan, Pajak & Lainnya/ <i>Land Rental, Tax, Others</i>               | 105.75        | 105.75        | 106.14        | 106.14        |
| Transportasi/ <i>Transportation</i>  | 116.96        | 116.62        | 117.16        | 117.18        |
| Penambahan Barang Moda/ <i>Additional Capital Goods</i>                    | 111.30        | 111.26        | 111.53        | 111.30        |
| Upah Buruh Tani/ <i>Wages of Farm Labour</i>                               | 114.10        | 114.10        | 114.10        | 114.44        |
| <b>Nilai Tukar Petani/<i>Farmers' Terms of Trade</i></b>                   | <b>102.80</b> | <b>103.25</b> | <b>103.20</b> | <b>103.36</b> |
| <b>Nilai Tukar Usaha Pertanian/<i>Farmers' Business Terms of Trade</i></b> | <b>109.72</b> | <b>111.29</b> | <b>111.48</b> | <b>112.64</b> |

**Tabel 4.** Nilai Tukar Petani Subsektor Tanaman Hortikultura

Table Provinsi Sulawesi Utara, Januari-Desember 2015 (2012=100)

*Farmers' Terms of Trade of Horticulture Subsector**Province of North Sulawesi, January – December 2015 (2012=100)*

| Rincian   | Sep           | Okt           | Nov           | Des           |
|---|---------------|---------------|---------------|---------------|
| (1)   | (2)           | (3)           | (4)           | (5)           |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>       | <b>127.66</b> | <b>129.82</b> | <b>132.76</b> | <b>134.44</b> |
| Sayur-sayuran/Vegetables  | 129.45        | 131.92        | 135.55        | 137.10        |
| Buah-buahan/Fruits  | 118.10        | 118.80        | 117.89        | 120.24        |
| Tanaman Obat/Medical Plants   | 117.64        | 116.17        | 117.46        | 119.96        |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>            | <b>122.11</b> | <b>122.70</b> | <b>122.99</b> | <b>124.04</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                  | <b>124.55</b> | <b>125.28</b> | <b>125.58</b> | <b>126.86</b> |
| Bahan Makanan/Food Stuff  | 133.35        | 134.56        | 134.97        | 137.37        |
| Makanan Jadi/Prepared Food  | 117.78        | 118.34        | 118.29        | 118.58        |
| Perumahan/Housing   | 117.82        | 118.32        | 118.94        | 119.61        |
| Sandang/Clothing  | 108.57        | 108.64        | 108.72        | 109.13        |
| Kesehatan/Health  | 112.99        | 113.39        | 113.49        | 113.54        |
| Pendidikan, Rekreasi & Olah raga/Education, Recreation, and Sport   | 108.19        | 108.15        | 108.29        | 108.29        |
| Transportasi dan Komunikasi/Transportation and Communication        | 128.36        | 128.42        | 128.41        | 128.70        |
| <b>BPPBM/Cost of Production&amp;Additional Capital Goods</b>        | <b>110.95</b> | <b>110.89</b> | <b>111.11</b> | <b>111.14</b> |
| Bibit/Seed  | 110.68        | 111.21        | 111.70        | 111.71        |
| Obat-obatan & Pupuk/Drugs&Fertilizer                                | 107.08        | 106.42        | 107.70        | 106.79        |
| Sewa Lahan, Pajak & Lainnya/Land Rental, Tax, Others                | 105.43        | 105.47        | 105.47        | 105.77        |
| Transportasi/Transportation   | 117.65        | 117.38        | 117.80        | 117.84        |
| Penambahan Barang Moda/Additional Capital Goods                     | 111.25        | 111.25        | 110.87        | 111.15        |
| Upah Buruh Tani/Wages of Farm Labour                                | 114.71        | 114.99        | 114.99        | 114.99        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                   | <b>104.54</b> | <b>105.80</b> | <b>107.94</b> | <b>108.38</b> |
| <b>Nilai Tukar Usaha Pertanian/Farmers' Business Terms of Trade</b> | <b>115.06</b> | <b>117.07</b> | <b>119.48</b> | <b>120.97</b> |

**Tabel 5. Nilai Tukar Petani Subsektor Tanaman Perkebunan Rakyat**  
**Table 5. Provinsi Sulawesi Utara, Januari-Desember 2015**  
**(2012=100)**

*Farmers' Terms of Trade of Smallholders Estate Crops Subsector*  
*Province of North Sulawesi, January – December 2015*  
*(2012=100)*

| Rincian/Details   | Jan           | Feb           | Mar           | Apr           |
|---|---------------|---------------|---------------|---------------|
| (1)   | (2)           | (3)           | (4)           | (5)           |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>       | <b>107.51</b> | <b>109.63</b> | <b>106.69</b> | <b>105.29</b> |
| Tanaman Perkebunan Rakyat/Smallholders Estate Crops                 | 107.51        | 109.63        | 106.69        | 105.29        |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>            | <b>117.54</b> | <b>117.57</b> | <b>118.17</b> | <b>117.58</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                  | <b>119.79</b> | <b>119.91</b> | <b>120.66</b> | <b>119.82</b> |
| Bahan Makanan/Food Stuff  | 126.96        | 127.20        | 128.45        | 126.01        |
| Makanan Jadi/Prepared Food  | 111.38        | 111.86        | 111.91        | 112.19        |
| Perumahan/Housing   | 115.08        | 115.91        | 116.48        | 116.34        |
| Sandang/Clothing  | 110.65        | 110.44        | 110.18        | 110.12        |
| Kesehatan/Health  | 107.91        | 109.06        | 109.55        | 109.60        |
| Pendidikan, Rekreasi & Olahraga/Education, Recreation&Sport         | 103.98        | 103.76        | 103.79        | 103.77        |
| Transportasi dan Komunikasi/Transportation and Communication        | 129.15        | 126.79        | 127.89        | 129.80        |
| <b>BPPBM/Cost of Production &amp; Additional Capital Goods</b>      | <b>108.68</b> | <b>108.35</b> | <b>108.38</b> | <b>108.78</b> |
| Bibit/Seed  | 115.51        | 114.94        | 114.67        | 115.51        |
| Obat-obatan & Pupuk/Drugs& Fertilizer                               | 109.22        | 108.65        | 107.61        | 108.06        |
| Sewa Lahan, Pajak & Lainnya/Land Rental, Tax&Others                 | 101.65        | 101.21        | 101.21        | 101.21        |
| Transportasi/Transportation   | 128.75        | 126.77        | 127.85        | 128.09        |
| Penambahan Barang Moda/Additional Capital Goods                     | 107.35        | 107.13        | 106.96        | 107.43        |
| Upah Buruh Tani/Wages of Farm Labour                                | 106.82        | 107.11        | 107.87        | 108.39        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                   | <b>91.47</b>  | <b>93.25</b>  | <b>90.29</b>  | <b>89.55</b>  |
| <b>Nilai Tukar Usaha Pertanian/Farmers' Business Terms of Trade</b> | <b>98.93</b>  | <b>101.18</b> | <b>98.45</b>  | <b>96.79</b>  |

**Tabel 5.** Nilai Tukar Petani Subsektor Tanaman Perkebunan Rakyat  
**Table** Provinsi Sulawesi Utara, Januari-Desember 2015  
(2012=100)

*Farmers' Terms of Trade of Smallholders Estate Crops Subsector  
Province of North Sulawesi, January – December 2015  
(2012=100)*

Lanjutan/*Continued*

| Rincian/ <i>Details</i>   | Mei<br>(2)    | Juni<br>(3)   | Juli<br>(4)   | Ags<br>(5)    |
|---|---------------|---------------|---------------|---------------|
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>       | <b>104.68</b> | <b>102.60</b> | <b>104.84</b> | <b>103.76</b> |
| Tanaman Perkebunan Rakyat/Smallholders Estate Crops                 | 104.68        | 102.60        | 104.84        | 103.76        |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>            | <b>118.08</b> | <b>119.19</b> | <b>119.72</b> | <b>120.87</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                  | <b>120.39</b> | <b>121.75</b> | <b>122.34</b> | <b>123.81</b> |
| Bahan Makanan/Food Stuff  | 126.94        | 129.51        | 130.23        | 133.35        |
| Makanan Jadi/Prepared Food  | 113.20        | 114.21        | 115.28        | 115.73        |
| Perumahan/Housing   | 116.38        | 116.47        | 116.57        | 116.78        |
| Sandang/Clothing  | 110.09        | 110.13        | 110.20        | 110.58        |
| Kesehatan/Health  | 109.54        | 110.23        | 111.10        | 111.13        |
| Pendidikan, Rekreasi & Olah raga/Education, Recreation& Sport       | 103.75        | 103.77        | 104.28        | 104.31        |
| Transportasi dan Komunikasi/Transportation and Communication        | 129.81        | 130.05        | 130.18        | 130.14        |
| <b>BPPBM/Cost of Production &amp; Additional Capital Goods</b>      | <b>108.93</b> | <b>109.09</b> | <b>109.38</b> | <b>109.28</b> |
| Bitit/Seed  | 115.36        | 115.36        | 114.29        | 113.70        |
| Obat-obatan & Pupuk/Drugs& Fertilizer                               | 108.08        | 108.43        | 109.44        | 108.85        |
| Sewa Lahan, Pajak & Lainnya/Land Rental,Tax&Others                  | 101.82        | 101.82        | 101.82        | 102.01        |
| Transportasi/Transportation   | 128.90        | 129.15        | 128.75        | 129.61        |
| Penambahan Barang Moda/Additional Capital Goods                     | 106.38        | 106.70        | 107.18        | 107.04        |
| Upah Buruh Tani/Wages of Farm Labour                                | 108.82        | 108.82        | 108.82        | 108.82        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                   | <b>88.65</b>  | <b>86.09</b>  | <b>87.58</b>  | <b>85.85</b>  |
| <b>Nilai Tukar Usaha Pertanian/Farmers' Business Terms of Trade</b> | <b>96.09</b>  | <b>94.05</b>  | <b>95.85</b>  | <b>94.95</b>  |

**Tabel 5. Nilai Tukar Petani Subsektor Tanaman Perkebunan Rakyat**  
**Table Provinsi Sulawesi Utara, Januari-Desember 2015**  
**(2012=100)**

*Farmers' Terms of Trade of Smallholders Estate Crops Subsector*  
*Province of North Sulawesi, January – December 2015*  
*(2012=100)*

Lanjutan/*Continued*

| Rincian/Details   | Sept          | Okt           | Nov           | Des           |
|---|---------------|---------------|---------------|---------------|
| (1)   | (2)           | (3)           | (4)           | (5)           |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>       | <b>105.70</b> | <b>106.86</b> | <b>106.73</b> | <b>107.38</b> |
| Tanaman Perkebunan Rakyat/Smallholders Estate Crops                 | 105.70        | 106.86        | 106.73        | 107.38        |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>            | <b>121.87</b> | <b>122.64</b> | <b>122.55</b> | <b>123.87</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                  | <b>125.02</b> | <b>125.95</b> | <b>125.77</b> | <b>127.45</b> |
| Bahan Makanan/Food Stuff  | 135.58        | 137.37        | 136.91        | 140.48        |
| Makanan Jadi/Prepared Food  | 116.65        | 117.19        | 117.16        | 117.37        |
| Perumahan/Housing   | 116.77        | 117.03        | 117.14        | 117.47        |
| Sandang/Clothing  | 110.63        | 110.66        | 110.81        | 111.37        |
| Kesehatan/Health  | 112.06        | 112.51        | 112.63        | 112.69        |
| Pendidikan, Rekreasi & Olah raga/Education, Recreation&Sport        | 104.38        | 104.43        | 104.51        | 104.51        |
| Transportasi dan Komunikasi/Transportation and Communication        | 130.59        | 130.64        | 130.57        | 130.81        |
| <b>BPPBM/Cost of Production &amp; Additional Capital Goods</b>      | <b>109.48</b> | <b>109.60</b> | <b>109.85</b> | <b>109.77</b> |
| Bibit/Seed  | 113.46        | 114.50        | 114.50        | 113.78        |
| Obat-obatan & Pupuk/Drugs& Fertilizer                               | 108.85        | 108.99        | 108.99        | 109.18        |
| Sewa Lahan, Pajak & Lainnya/Land Rental,Tax&Others                  | 102.01        | 102.01        | 102.01        | 102.01        |
| Transportasi/Transportation   | 130.53        | 130.82        | 130.76        | 130.69        |
| Penambahan Barang Moda/Additional Capital Goods                     | 107.47        | 107.40        | 108.30        | 107.51        |
| Upah Buruh Tani/Wages of Farm Labour                                | 109.06        | 109.20        | 109.59        | 109.59        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                   | <b>86.73</b>  | <b>87.13</b>  | <b>87.09</b>  | <b>86.69</b>  |
| <b>Nilai Tukar Usaha Pertanian/Farmers' Business Terms of Trade</b> | <b>96.55</b>  | <b>97.50</b>  | <b>97.15</b>  | <b>97.82</b>  |

**Tabel 6. Nilai Tukar Petani Subsektor Peternakan**  
**Table Provinsi Sulawesi Utara, Januari-Desember 2015**  
**(2012=100)**

*Farmers' Terms of Trade of Animal Husbandary Subsector*  
*Province of North Sulawesi, January – December 2015*  
*(2012=100)*

| Rincian/Details  | Jan           | Feb           | Mar           | Apr           |
|--|---------------|---------------|---------------|---------------|
| (1)  | (2)           | (3)           | (4)           | (5)           |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>        | <b>113.72</b> | <b>113.26</b> | <b>113.40</b> | <b>114.18</b> |
| Ternak Besar/Large Livestock   | 114.81        | 113.54        | 113.15        | 113.97        |
| Ternak Kecil/Small Livestock   | 107.99        | 109.73        | 110.84        | 111.13        |
| Unggas/Poultry   | 114.51        | 113.24        | 112.42        | 113.94        |
| Hasil Ternak/Livestock Product                                       | 122.24        | 120.64        | 121.56        | 122.62        |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>             | <b>113.47</b> | <b>112.96</b> | <b>113.54</b> | <b>113.54</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                   | <b>120.58</b> | <b>120.44</b> | <b>121.44</b> | <b>120.81</b> |
| Bahan Makanan/Food Stuff   | 126.04        | 125.83        | 127.68        | 125.47        |
| Makanan Jadi/Prepared Food   | 112.03        | 113.09        | 113.19        | 113.59        |
| Perumahan/Housing  | 115.88        | 116.20        | 116.61        | 116.45        |
| Sandang/Clothing   | 109.61        | 109.43        | 109.16        | 109.13        |
| Kesehatan/Health   | 107.58        | 108.45        | 108.80        | 108.83        |
| Pendidikan, Rekreasi & Olah raga/Education, Recreation&Sport         | 107.44        | 107.15        | 107.24        | 107.21        |
| Transportasi dan Komunikasi/Tranpsort&Communication                  | 129.32        | 127.23        | 128.11        | 129.89        |
| <b>BPPBM/Cost of Production &amp; Additional Capital Goods</b>       | <b>105.96</b> | <b>105.05</b> | <b>105.19</b> | <b>105.86</b> |
| Bibit/Seed   | 102.30        | 101.42        | 100.45        | 100.99        |
| Obat-obatan & Pupuk/Drugs&Fertilizer                                 | 105.70        | 105.40        | 105.46        | 105.38        |
| Sewa Lahan, Pajak & Lainnya/Land Rental,Tax&Others                   | 101.82        | 101.80        | 102.58        | 102.33        |
| Transportasi/Transportation  | 128.27        | 120.07        | 123.31        | 129.70        |
| Penambahan Barang Modal/Additional Capital Goods                     | 101.31        | 101.73        | 101.49        | 101.54        |
| Upah Buruh Tani/Wages of Farm Labour                                 | 106.41        | 106.82        | 106.82        | 107.33        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                    | <b>100.22</b> | <b>100.27</b> | <b>99.88</b>  | <b>100.56</b> |
| <b>Nilai Tukar Usaha Pertanian/Farmers' Bussiness Terms of Trade</b> | <b>107.32</b> | <b>107.81</b> | <b>107.81</b> | <b>107.86</b> |

**Tabel 6.**  
**Table**

Nilai Tukar Petani Subsektor Peternakan  
Provinsi Sulawesi Utara, Januari-Desember 2015  
(2012=100)

*Farmers' Terms of Trade of Animal Husbandary Subsector  
Province of North Sulawesi, January – December 2015  
(2012=100)*

| <b>Rincian/Details</b>  | <b>Mei</b>    | <b>Juni</b>   | <b>Juli</b>   | <b>Ags</b>    |
|---|---------------|---------------|---------------|---------------|
| <b>(1)</b>  | <b>(2)</b>    | <b>(3)</b>    | <b>(4)</b>    | <b>(5)</b>    |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>       | <b>114.29</b> | <b>115.87</b> | <b>116.72</b> | <b>117.34</b> |
| Ternak Besar/Large Livestock  | 113.84        | 115.80        | 115.86        | 117.44        |
| Ternak Kecil/Small Livestock  | 112.20        | 113.98        | 115.16        | 114.24        |
| Unggas/Poultry  | 113.50        | 113.80        | 115.85        | 117.31        |
| Hasil Ternak/Livestock Product                                      | 121.94        | 122.68        | 124.93        | 124.44        |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>            | <b>113.79</b> | <b>114.56</b> | <b>114.90</b> | <b>115.87</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                  | <b>121.44</b> | <b>122.80</b> | <b>123.24</b> | <b>124.70</b> |
| Bahan Makanan/Food Stuff  | 126.48        | 129.01        | 129.30        | 132.41        |
| Makanan Jadi/Prepared Food  | 114.55        | 115.61        | 116.60        | 117.06        |
| Perumahan/Housing   | 116.51        | 116.68        | 116.92        | 117.21        |
| Sandang/Clothing  | 109.23        | 109.28        | 109.43        | 109.68        |
| Kesehatan/Health  | 109.03        | 109.62        | 110.34        | 110.56        |
| Pendidikan, Rekreasi & Olah raga/Education, Recreation&Sport        | 107.14        | 107.18        | 108.29        | 108.33        |
| Transportasi dan Komunikasi/Transport&Communication                 | 129.90        | 130.19        | 130.40        | 130.35        |
| <b>BPPBM/Cost of Production &amp; Additional Capital Goods</b>      | <b>105.72</b> | <b>105.84</b> | <b>106.09</b> | <b>106.53</b> |
| Bibit/Seed  | 100.84        | 101.38        | 101.62        | 101.76        |
| Obat-obatan & Pupuk/Drugs&Fertilizer                                | 105.04        | 105.18        | 105.52        | 106.55        |
| Sewa Lahan, Pajak & Lainnya/Land Rental,Tax&Others                  | 102.98        | 102.54        | 103.08        | 103.11        |
| Transportasi/Transportation   | 129.67        | 129.65        | 130.27        | 130.22        |
| Penambahan Barang Modal/Additional Capital Goods                    | 101.40        | 101.40        | 101.34        | 101.42        |
| Upah Buruh Tani/Wages of Farm Labour                                | 107.33        | 107.33        | 107.33        | 107.33        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                   | <b>100.43</b> | <b>101.14</b> | <b>101.59</b> | <b>101.27</b> |
| <b>Nilai Tukar Usaha Pertanian/Farmers' Business Terms of Trade</b> | <b>108.11</b> | <b>109.47</b> | <b>110.02</b> | <b>110.15</b> |

**Tabel 6.**

Nilai Tukar Petani Subsektor Peternakan  
**Table** Provinsi Sulawesi Utara, Januari-Desember 2015  
 (2012=100)

*Farmers' Terms of Trade of Animal Husbandry Subsector  
 Province of North Sulawesi, January – December 2015  
 (2012=100)*

| <b>Rincian/Details</b>   | <b>Sept</b>   | <b>Okt</b>    | <b>Nov</b>    | <b>Des</b>    |
|--|---------------|---------------|---------------|---------------|
| (1)  | (2)           | (3)           | (4)           | (5)           |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>        | <b>118.19</b> | <b>117.81</b> | <b>117.68</b> | <b>119.13</b> |
| Ternak Besar/Large Livestock   | 118.73        | 117.54        | 118.01        | 118.73        |
| Ternak Kecil/Small Livestock   | 115.17        | 115.42        | 114.78        | 117.09        |
| Unggas/Poultry   | 117.62        | 117.52        | 116.94        | 119.28        |
| Hasil Ternak/Livestock Product                                       | 123.79        | 124.97        | 124.02        | 125.55        |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>             | <b>116.86</b> | <b>117.36</b> | <b>117.45</b> | <b>118.36</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                   | <b>126.44</b> | <b>127.15</b> | <b>127.30</b> | <b>128.65</b> |
| Bahan Makanan/Food Stuff   | 135.51        | 136.87        | 137.13        | 139.89        |
| Makanan Jadi/Prepared Food   | 118.02        | 118.50        | 118.47        | 118.75        |
| Perumahan/Housing  | 118.26        | 118.46        | 118.85        | 119.35        |
| Sandang/Clothing   | 109.70        | 109.74        | 109.84        | 110.44        |
| Kesehatan/Health   | 111.62        | 111.99        | 112.12        | 112.18        |
| Pendidikan, Rekreasi & Olahraga/Education, Recreation&Sport          | 108.10        | 108.06        | 108.18        | 108.18        |
| Transportasi dan Komunikasi/Transporsrt&Communication                | 130.75        | 130.78        | 130.61        | 130.84        |
| <b>BPPBM/Cost of Production &amp; Additional Capital Goods</b>       | <b>106.73</b> | <b>107.01</b> | <b>107.05</b> | <b>107.48</b> |
| Bibit/Seed   | 102.70        | 103.09        | 102.73        | 103.27        |
| Obat-obatan & Pupuk/Drugs&Fertilizer                                 | 106.56        | 107.07        | 107.31        | 108.18        |
| Sewa Lahan, Pajak & Lainnya/Land Rental,Tax&Others                   | 102.92        | 102.87        | 102.87        | 102.87        |
| Transportasi/Transportation  | 130.34        | 130.26        | 130.46        | 130.43        |
| Penambahan Barang Modal/Additional Capital Goods                     | 101.55        | 101.63        | 101.63        | 101.63        |
| Upah Buruh Tani/Wages of Farm Labour                                 | 107.33        | 107.33        | 107.33        | 107.33        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                    | <b>101.14</b> | <b>100.38</b> | <b>100.19</b> | <b>100.65</b> |
| <b>Nilai Tukar Usaha Pertanian/Farmers' Bussiness Terms of Trade</b> | <b>110.73</b> | <b>110.09</b> | <b>109.93</b> | <b>110.84</b> |

**Tabel 7.**  
**Table**

Nilai Tukar Petani Subsektor Perikanan  
Provinsi Sulawesi Utara, Januari-Desember 2015  
(2012=100)

*Farmers' Terms of Trade Fishery Subsector  
Province of North Sulawesi, January – December 2015  
(2012=100)*

| Rincian/Details   | Jan           | Feb           | Mar           | Apr           |
|---|---------------|---------------|---------------|---------------|
| (1)   | (2)           | (3)           | (4)           | (5)           |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>       | <b>123.65</b> | <b>125.46</b> | <b>127.04</b> | <b>125.61</b> |
| Penangkapan/Capture Fisheries                                       | 129.62        | 131.78        | 134.29        | 132.23        |
| Budidaya/Aquaculture  | 112.87        | 114.06        | 113.97        | 113.67        |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>            | <b>117.29</b> | <b>117.53</b> | <b>118.42</b> | <b>118.51</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                  | <b>119.83</b> | <b>120.80</b> | <b>121.83</b> | <b>121.25</b> |
| Bahan Makanan/Food Stuff  | 126.48        | 127.76        | 129.66        | 128.42        |
| Makanan Jadi/Prepared Food  | 111.63        | 112.63        | 112.46        | 112.61        |
| Perumahan/Housing   | 113.71        | 114.95        | 115.49        | 115..21       |
| Sandang/Clothing  | 107.76        | 107.66        | 107.18        | 107.06        |
| Kesehatan/Health  | 110.36        | 111.10        | 111.70        | 111.88        |
| Pendidikan, Rekreasi & Olah raga/Education, Recreation&Sport        | 103.05        | 102.78        | 102.78        | 102.76        |
| Transportasi dan Komunikasi/Transport and Communication             | 127.77        | 127.02        | 127.36        | 128.13        |
| <b>BPPBM/Cost of Production &amp; Capital Goods</b>                 | <b>111.79</b> | <b>110.46</b> | <b>111.02</b> | <b>112.58</b> |
| Bibit/Seed  | 104.75        | 105.44        | 105.44        | 105.44        |
| Obat-obatan & Pupuk/Drugs&Fertilizer                                | 106.13        | 106.09        | 106.68        | 106.31        |
| Sewa Lahan, Pajak & Lainnya/Land Rental,Tax&Others                  | 110.98        | 111.22        | 111.75        | 111.52        |
| Transportasi/Transportation   | 126.29        | 119.66        | 121.93        | 127.82        |
| Penambahan Barang Moda/Additional Capital Goods                     | 106.35        | 106.52        | 106.51        | 107.06        |
| Upah Buruh Tani/Wages of Farm Labour                                | 106.39        | 106.44        | 106.44        | 106.78        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                   | <b>105.42</b> | <b>106.75</b> | <b>107.28</b> | <b>105.99</b> |
| <b>Nilai Tukar Usaha Pertanian/Farmers' Business Terms of Trade</b> | <b>110.61</b> | <b>113.59</b> | <b>114.43</b> | <b>111.58</b> |

**Tabel 7.**  
**Table**

Nilai Tukar Petani Subsektor Perikanan  
Provinsi Sulawesi Utara, Januari-Desember 2015  
(2012=100)

*Farmers' Terms of Trade Fishery Subsector  
Province of North Sulawesi, January – December 2015  
(2012=100)*

*(lanjutan/continued)*

| Rincian/Details   | Mei           | Juni          | Juli          | Ags           |
|---|---------------|---------------|---------------|---------------|
| (1)   | (2)           | (3)           | (4)           | (5)           |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>       | <b>125.39</b> | <b>126.76</b> | <b>128.14</b> | <b>129.01</b> |
| Penangkapan/Capture Fisheries                                       | 132.07        | 133.93        | 135.73        | 137.34        |
| Budidaya/Aquaculture  | 113.31        | 113.82        | 114.45        | 113.99        |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>            | <b>118.89</b> | <b>119.84</b> | <b>120.26</b> | <b>121.66</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                  | <b>121.56</b> | <b>122.95</b> | <b>123.49</b> | <b>125.43</b> |
| Bahan Makanan/Food Stuff  | 128.82        | 131.19        | 131.96        | 135.49        |
| Makanan Jadi/Prepared Food  | 113.50        | 114.65        | 115.49        | 115.87        |
| Perumahan/Housing   | 115.23        | 115.40        | 115.29        | 115.96        |
| Sandang/Clothing  | 106.70        | 106.75        | 106.95        | 107.47        |
| Kesehatan/Health  | 111.75        | 112.31        | 113.27        | 113.36        |
| Pendidikan, Rekreasi & Olah raga/Education, Recreation& Sport       | 102.75        | 102.76        | 103.11        | 103.17        |
| Transportasi dan Komunikasi/Transport and Communication             | 128.32        | 128.41        | 128.45        | 128.44        |
| <b>BPPBM/Cost of Production &amp; Capital Goods</b>                 | <b>113.09</b> | <b>113.10</b> | <b>113.26</b> | <b>113.50</b> |
| Bibit/Seed  | 105.73        | <b>105.73</b> | 105.73        | 105.60        |
| Obat-obatan & Pupuk/Drugs&Fertilizer                                | 106.72        | 106.74        | 106.76        | 106.99        |
| Sewa Lahan, Pajak & Lainnya/Land Rental, Tax&Others                 | 111.49        | 111.49        | 111.58        | 111.94        |
| Transportasi/Transportation   | 128.52        | 128.30        | 128.56        | 128.61        |
| Penambahan Barang Moda/Additional Capital Goods                     | 107.81        | 108.05        | 108.35        | 108.67        |
| Upah Buruh Tani/Wages of Farm Labour                                | 106.78        | 106.78        | 106.78        | 106.78        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                   | <b>105.47</b> | <b>105.77</b> | <b>106.55</b> | <b>106.04</b> |
| <b>Nilai Tukar Usaha Pertanian/Farmers' Business Terms of Trade</b> | <b>110.87</b> | <b>112.07</b> | <b>113.14</b> | <b>113.67</b> |

**Tabel 7.**  
**Table**

Nilai Tukar Petani Subsektor Perikanan  
Provinsi Sulawesi Utara, Januari-Desember 2015  
(2012=100)

*Farmers' Terms of Trade Fishery Subsector  
Province of North Sulawesi, January – December 2015  
(2012=100)*

(lanjutan/continued)

| Rincian/Details   | Sept          | Okt           | Nov           | Des           |
|---|---------------|---------------|---------------|---------------|
| (1)   | (2)           | (3)           | (4)           | (5)           |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>       | <b>129.44</b> | <b>129.89</b> | <b>129.66</b> | <b>128.84</b> |
| Penangkapan/Capture Fisheries                                       | 137.81        | 138.82        | 138.32        | 136.44        |
| Budidaya/Aquaculture  | 114.32        | 113.77        | 114.02        | 115.13        |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>            | <b>122.87</b> | <b>123.46</b> | <b>123.40</b> | <b>124.76</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                  | <b>126.96</b> | <b>127.79</b> | <b>127.66</b> | <b>129.62</b> |
| Bahan Makanan/Food Stuff  | 138.00        | 139.32        | 139.19        | 142.65        |
| Makanan Jadi/Prepared Food  | 117.21        | 117.81        | 117.79        | 117.94        |
| Perumahan/Housing   | 116.22        | 116.54        | 116.21        | 117.34        |
| Sandang/Clothing  | 107.75        | 107.92        | 107.97        | 108.62        |
| Kesehatan/Health  | 114.14        | 114.70        | 114.83        | 114.89        |
| Pendidikan, Rekreasi & Olah raga/Education, Recreation&Sport        | 103.19        | 103.03        | 103.14        | 103.14        |
| Transportasi dan Komunikasi/Transport and Communication             | 128.79        | 128.90        | 128.68        | 128.87        |
| <b>BPPBM/Cost of Production &amp; Capital Goods</b>                 | <b>114.02</b> | <b>114.07</b> | <b>114.18</b> | <b>114.24</b> |
| Bibit/Seed  | 105.73        | 105.87        | 105.87        | 106.41        |
| Obat-obatan & Pupuk/Drugs&Fertilizer                                | 106.85        | 106.93        | 107.43        | 107.63        |
| Sewa Lahan, Pajak & Lainnya/Land Rental,Tax&Others                  | 112.14        | 112.16        | 112.24        | 112.33        |
| Transportasi/Transportation   | 129.69        | 129.60        | 129.67        | 129.74        |
| Penambahan Barang Moda/Additional Capital Goods                     | 109.18        | 109.33        | 109.51        | 109.49        |
| Upah Buruh Tani/Wages of Farm Labour                                | 107.20        | 107.20        | 107.20        | 107.20        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                   | <b>105.34</b> | <b>105.21</b> | <b>105.07</b> | <b>103.27</b> |
| <b>Nilai Tukar Usaha Pertanian/Farmers' Business Terms of Trade</b> | <b>113.52</b> | <b>113.87</b> | <b>113.55</b> | <b>112.79</b> |

**Tabel 8.**  
**Table**

Nilai Tukar Petani Subsektor Perikanan Tangkap  
Provinsi Sulawesi Utara, Januari-Desember 2015  
(2012=100)

*Farmers' Terms of Trade Capture Fisheries Subsector  
Province of North Sulawesi, January – December 2015  
(2012=100)*

| Rincian/Details  | Jan           | Feb           | Mar           | Apr           |
|--|---------------|---------------|---------------|---------------|
| (1)  | (2)           | (3)           | (4)           | (5)           |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>              | <b>129.62</b> | <b>131.78</b> | <b>134.29</b> | <b>132.23</b> |
| Penangkapan Perairan Umum/ <i>Inland Openwater Capture Fisheries</i>       | 108.76        | 109.63        | 108.98        | 109.48        |
| Penangkapan Laut/ <i>Marine Capture Fisheries</i>                          | 129.63        | 131.80        | 134.30        | 132.24        |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>                   | <b>117.67</b> | <b>117.79</b> | <b>118.71</b> | <b>118.97</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                         | <b>119.98</b> | <b>120.96</b> | <b>122.01</b> | <b>121.40</b> |
| Bahan Makanan/ <i>Food Stuff</i>   | 126.46        | 127.73        | 129.63        | 128.39        |
| Makanan Jadi/ <i>Prepared Food</i>   | 111.63        | 112.63        | 112.46        | 112.61        |
| Perumahan/ <i>Housing</i>  | 113.71        | 114.95        | 115.49        | 115.21        |
| Sandang/ <i>Clothing</i>   | 107.77        | 107.67        | 107.19        | 107.07        |
| Kesehatan/ <i>Health</i>   | 110.36        | 111.10        | 111.70        | 111.88        |
| Pendidikan, Rekreasi & Olah raga/ <i>Education, Recreation &amp; Sport</i> | 103.05        | 102.78        | 102.78        | 102.76        |
| Transportasi dan Komunikasi/ <i>Transportation and Communication</i>       | 127.77        | 127.02        | 127.36        | 128.13        |
| <b>BPPBM/Cost of Production &amp; Additional Capital Goods</b>             | <b>112.67</b> | <b>110.95</b> | <b>111.58</b> | <b>113.69</b> |
| Biaya Sewa dan Pengeluaran Lain/ <i>Land Rental&amp;Others</i>             | 111.53        | 111.90        | 112.65        | 112.38        |
| Transportasi/ <i>Transportation</i>  | 127.73        | 119.99        | 121.82        | 128.80        |
| Penambahan Barang Modal/ <i>Additional Capital Goods</i>                   | 106.40        | 107.03        | 107.00        | 107.58        |
| Upah Buruh/ <i>Wages of Farm Labour</i>                                    | 100.98        | 101.05        | 101.05        | 101.58        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                          | <b>110.15</b> | <b>111.88</b> | <b>113.12</b> | <b>111.14</b> |
| <b>Nilai Tukar Usaha Pertanian/Farmers' Business Terms of Trading</b>      | <b>115.04</b> | <b>118.78</b> | <b>120.35</b> | <b>116.30</b> |

**Tabel 8.**  
**Table**

Nilai Tukar Petani Subsektor Perikanan Tangkap  
Provinsi Sulawesi Utara, Januari-Desember 2015  
(2012=100)

*Farmers' Terms of Trade Capture Fisheries Subsector  
Province of North Sulawesi, January – December 2015  
(2012=100)*

*(lanjutan/continued)*

| Rincian/Details  | Mei           | Jun           | Jul           | Ags           |
|--|---------------|---------------|---------------|---------------|
| (1)  | (2)           | (3)           | (4)           | (5)           |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>              | <b>132.07</b> | <b>133.93</b> | <b>135.73</b> | <b>137.34</b> |
| Penangkapan Perairan Umum/ <i>Inland Openwater Capture Fisheries</i>       | 109.48        | 111.36        | 111.36        | 113.18        |
| Penangkapan Laut/ <i>Marine Capture Fisheries</i>                          | 132.09        | 133.94        | 135.74        | 137.35        |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>                   | <b>119.40</b> | <b>120.34</b> | <b>120.73</b> | <b>122.19</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                         | <b>121.72</b> | <b>123.13</b> | <b>123.68</b> | <b>125.65</b> |
| Bahan Makanan/ <i>Food Stuff</i>   | 128.79        | 131.17        | 131.93        | 135.37        |
| Makanan Jadi/ <i>Prepared Food</i>   | 113.50        | 114.65        | 115.49        | 115.87        |
| Perumahan/ <i>Housing</i>  | 115.23        | 115.40        | 115.29        | 115.96        |
| Sandang/ <i>Clothing</i>   | 106.71        | 106.76        | 106.96        | 107.48        |
| Kesehatan/ <i>Health</i>   | 111.75        | 112.31        | 113.27        | 113.36        |
| Pendidikan, Rekreasi & Olah raga/ <i>Education, Recreation &amp; Sport</i> | 102.74        | 102.76        | 103.11        | 103.17        |
| Transportasi dan Komunikasi/ <i>Transportation and Communication</i>       | 128.32        | 128.41        | 128.45        | 128.44        |
| <b>BPPBM/Cost of Production &amp; Additional Capital Goods</b>             | <b>114.38</b> | <b>114.28</b> | <b>114.34</b> | <b>114.68</b> |
| Biaya Sewa dan Pengeluaran Lain/ <i>Land Rental&amp; Others</i>            | 112.33        | 112.33        | 112.33        | 112.48        |
| Transportasi/ <i>Transportation</i>  | 129.90        | 129.58        | 129.83        | 130.13        |
| Penambahan Barang Modal/ <i>Additional Capital Goods</i>                   | 108.52        | 108.48        | 108.47        | 109.01        |
| Upah Buruh/ <i>Wages of Farm Labour</i>                                    | 101.58        | 101.58        | 101.58        | 101.58        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                          | <b>110.61</b> | <b>111.30</b> | <b>112.43</b> | <b>112.40</b> |
| <b>Nilai Tukar Usaha Pertanian/Farmers' Business Terms of Trading</b>      | <b>115.47</b> | <b>117.20</b> | <b>118.71</b> | <b>119.76</b> |

**Tabel 8.**  
**Table**

Nilai Tukar Petani Subsektor Perikanan Tangkap  
Provinsi Sulawesi Utara, Januari-Desember 2015  
(2012=100)

*Farmers' Terms of Trade Capture Fisheries Subsector  
Province of North Sulawesi, January – December 2015  
(2012=100)*

*(lanjutan/continued)*

| Rincian/Details  | Sep           | Okt           | Nov           | Des           |
|--|---------------|---------------|---------------|---------------|
| (1)  | (2)           | (3)           | (4)           | (5)           |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>              | <b>137.81</b> | <b>138.82</b> | <b>138.32</b> | <b>136.44</b> |
| Penangkapan Perairan Umum/ <i>Inland Openwater Capture Fisheries</i>       | 114.09        | 114.09        | 114.09        | 113.87        |
| Penangkapan Laut/ <i>Marine Capture Fisheries</i>                          | 137.82        | 138.83        | 138.33        | 136.46        |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>                   | <b>123.44</b> | <b>124.03</b> | <b>123.98</b> | <b>125.34</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                         | <b>127.21</b> | <b>128.05</b> | <b>127.92</b> | <b>129.92</b> |
| Bahan Makanan/ <i>Food Stuff</i>   | 137.97        | 139.30        | 139.17        | 142.62        |
| Makanan Jadi/ <i>Prepared Food</i>   | 117.21        | 117.81        | 117.79        | 117.94        |
| Perumahan/ <i>Housing</i>  | 116.22        | 116.54        | 116.21        | 117.34        |
| Sandang/ <i>Clothing</i>   | 107.76        | 107.93        | 107.98        | 108.63        |
| Kesehatan/ <i>Health</i>   | 114.14        | 114.70        | 114.83        | 114.89        |
| Pendidikan, Rekreasi & Olah raga/ <i>Education, Recreation &amp; Sport</i> | 103.18        | 103.03        | 103.13        | 103.13        |
| Transportasi dan Komunikasi/ <i>Transportation and Communication</i>       | 128.79        | 128.90        | 128.68        | 128.87        |
| <b>BPPBM/Cost of Production &amp; Additional Capital Goods</b>             | <b>115.28</b> | <b>115.34</b> | <b>115.45</b> | <b>115.44</b> |
| Biaya Sewa dan Pengeluaran Lain/ <i>Land Rental&amp;Others</i>             | 112.49        | 112.48        | 112.40        | 112.40        |
| Transportasi/ <i>Transportation</i>  | 131.29        | 131.14        | 131.23        | 131.24        |
| Penambahan Barang Modal/ <i>Additional Capital Goods</i>                   | 109.53        | 109.76        | 110.01        | 109.98        |
| Upah Buruh/ <i>Wages of Farm Labour</i>                                    | 102.23        | 102.23        | 102.23        | 102.23        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                          | <b>111.64</b> | <b>111.92</b> | <b>111.56</b> | <b>108.86</b> |
| <b>Nilai Tukar Usaha Pertanian/Farmers' Business Terms of Trading</b>      | <b>119.54</b> | <b>120.36</b> | <b>119.81</b> | <b>118.20</b> |

**Tabel 9.**  
**Table**

Nilai Tukar Petani Subsektor Budi Daya  
Provinsi Sulawesi Utara, Januari-Desember 2015  
(2012=100)

*Farmers' Terms of Trade Aquaculture Subsector  
Province of North Sulawesi, January – December 2015  
(2012=100)*

| Rincian/Details   | Jan           | Feb           | Mar           | Apr           |
|---|---------------|---------------|---------------|---------------|
| (1)   | (2)           | (3)           | (4)           | (5)           |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>         | <b>112.87</b> | <b>114.06</b> | <b>113.97</b> | <b>113.67</b> |
| Budidaya Air Tawar / Freshwater Culture                               | 112.86        | 114.06        | 113.96        | 113.66        |
| Penangkapan Laut/Marine Capture Fisheries                             | 114.05        | 113.39        | 114.83        | 114.83        |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>              | <b>116.61</b> | <b>117.07</b> | <b>117.88</b> | <b>117.68</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                    | <b>119.56</b> | <b>120.52</b> | <b>121.51</b> | <b>120.96</b> |
| Bahan Makanan/Food Stuff  | 126.53        | 127.81        | 129.71        | 128.47        |
| Makanan Jadi/Prepared Food  | 111.63        | 112.63        | 112.46        | 112.61        |
| Perumahan/Housing   | 113.71        | 114.95        | 115.49        | 115.21        |
| Sandang/Clothing  | 107.74        | 107.64        | 107.17        | 107.04        |
| Kesehatan/Health  | 110.36        | 111.10        | 111.70        | 111.88        |
| Pendidikan, Rekreasi & Olah raga/Education, Recreation & Sport        | 103.05        | 102.79        | 102.78        | 102.77        |
| Transportasi dan Komunikasi/Transportation and Communication          | 127.77        | 127.02        | 127.36        | 128.13        |
| <b>BPPBM/Cost of Production &amp; Additional Capital Goods</b>        | <b>110.20</b> | <b>109.57</b> | <b>110.00</b> | <b>110.56</b> |
| Bibit/Seed  | 104.75        | 105.44        | 105.44        | 105.44        |
| Pupuk,Obat-Obatan,dan Pakan/Fertilizer,Drugs&Feed                     | 106.13        | 106.09        | 106.68        | 106.31        |
| Biaya Sewa&Lainnya/Rental Cost&Others                                 | 110.01        | 110.01        | 110.11        | 109.99        |
| Transportasi/Transportation   | 123.70        | 119.07        | 122.13        | 126.06        |
| Penambahan Barang Modal/Additional Capital Goods                      | 106.26        | 105.59        | 105.61        | 106.14        |
| Upah Buruh Tani/Wages of Farm Labour                                  | 116.16        | 116.16        | 116.16        | 116.16        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                     | <b>96.79</b>  | <b>97.43</b>  | <b>96.68</b>  | <b>96.59</b>  |
| <b>Nilai Tukar Usaha Pertanian/Farmers' Business Terms of Trading</b> | <b>102.43</b> | <b>104.10</b> | <b>103.60</b> | <b>102.81</b> |

**Tabel 9.**  
**Table**

Nilai Tukar Petani Subsektor Budi Daya  
Provinsi Sulawesi Utara, Januari-Desember 2015  
(2012=100)

*Farmers' Terms of Trade Aquaculture Subsector  
Province of North Sulawesi, January – December 2015  
(2012=100)*

(lanjutan/continued)

| Rincian/Details   | Mei           | Jun           | Jul           | Ags           |
|---|---------------|---------------|---------------|---------------|
| (1)   | (2)           | (3)           | (4)           | (5)           |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>         | <b>113.31</b> | <b>113.82</b> | <b>114.45</b> | <b>113.99</b> |
| Budidaya Air Tawar / Freshwater Culture                               | 113.30        | 113.81        | 114.45        | 113.98        |
| Penangkapan Laut/Marine Capture Fisheries                             | 114.83        | 114.83        | 114.83        | 114.83        |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>              | <b>117.96</b> | <b>118.95</b> | <b>119.42</b> | <b>120.71</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                    | <b>121.27</b> | <b>122.62</b> | <b>123.16</b> | <b>125.02</b> |
| Bahan Makanan/Food Stuff  | 128.86        | 131.24        | 132.00        | 135.54        |
| Makanan Jadi/Prepared Food  | 113.50        | 114.65        | 115.49        | 115.87        |
| Perumahan/Housing   | 115.23        | 115.40        | 115.29        | 115.96        |
| Sandang/Clothing  | 106.68        | 106.73        | 106.93        | 107.45        |
| Kesehatan/Health  | 111.75        | 112.31        | 113.27        | 113.36        |
| Pendidikan, Rekreasi & Olah raga/Education, Recreation & Sport        | 102.75        | 102.76        | 103.11        | 103.17        |
| Transportasi dan Komunikasi/Transportation and Communication          | 128.32        | 128.41        | 128.45        | 128.44        |
| <b>BPPBM/Cost of Production &amp; Additional Capital Goods</b>        | <b>110.76</b> | <b>110.99</b> | <b>111.32</b> | <b>111.37</b> |
| Bibit/Seed  | 105.73        | 105.73        | 105.73        | 105.60        |
| Pupuk,Obat-Obatan,dan Pakan/Fertilizer,Drugs&Feed                     | 106.72        | 106.74        | 106.76        | 106.99        |
| Biaya Sewa&Lainnya/Rental Cost&Others                                 | 109.99        | 109.99        | 110.23        | 110.96        |
| Transportasi/Transportation   | 126.01        | 126.00        | 126.28        | 125.88        |
| Penambahan Barang Modal/Additional Capital Goods                      | 106.53        | 107.28        | 108.13        | 108.05        |
| Upah Buruh Tani/Wages of Farm Labour                                  | 116.16        | 116.16        | 116.16        | 116.16        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                     | <b>96.06</b>  | <b>95.69</b>  | <b>95.83</b>  | <b>94.43</b>  |
| <b>Nilai Tukar Usaha Pertanian/Farmers' Business Terms of Trading</b> | <b>102.31</b> | <b>102.55</b> | <b>102.81</b> | <b>102.35</b> |

**Tabel 9.**  
**Table**

Nilai Tukar Petani Subsektor Budi Daya  
Provinsi Sulawesi Utara, Januari-Desember 2015  
(2012=100)

*Farmers' Terms of Trade Aquaculture Subsector  
Province of North Sulawesi, January – December 2015  
(2012=100)*

*(lanjutan/continued)*

| Rincian/Details   | Sep           | Okt           | Nov           | Des           |
|---|---------------|---------------|---------------|---------------|
| (1)   | (2)           | (3)           | (4)           | (5)           |
| <b>Indeks Diterima Petani/Price Received by Farmers Index</b>         | <b>114.32</b> | <b>113.77</b> | <b>114.02</b> | <b>115.13</b> |
| Budidaya Air Tawar / Freshwater Culture                               | 114.32        | 113.77        | 114.02        | 115.13        |
| Penangkapan Laut/Marine Capture Fisheries                             | 114.83        | 114.83        | 114.83        | 114.83        |
| <b>Indeks Dibayar Petani/Price Paid by Farmers Index</b>              | <b>121.85</b> | <b>122.42</b> | <b>122.37</b> | <b>123.71</b> |
| <b>Konsumsi Rumah Tangga/Household Consumption</b>                    | <b>126.51</b> | <b>127.32</b> | <b>127.19</b> | <b>129.07</b> |
| Bahan Makanan/Food Stuff  | 138.05        | 139.37        | 139.24        | 142.69        |
| Makanan Jadi/Prepared Food  | 117.21        | 117.81        | 117.79        | 117.94        |
| Perumahan/Housing   | 116.22        | 116.54        | 116.21        | 117.34        |
| Sandang/Clothing  | 107.73        | 107.90        | 107.95        | 108.61        |
| Kesehatan/Health  | 114.14        | 114.70        | 114.83        | 114.89        |
| Pendidikan, Rekreasi & Olah raga/Education, Recreation & Sport        | 103.19        | 103.03        | 103.14        | 103.14        |
| Transportasi dan Komunikasi/Transportation and Communication          | 128.79        | 128.90        | 128.68        | 128.87        |
| <b>BPPBM/Cost of Production &amp; Additional Capital Goods</b>        | <b>111.73</b> | <b>111.78</b> | <b>111.90</b> | <b>112.07</b> |
| Bitit/Seed  | 105.73        | 105.87        | 105.87        | 106.41        |
| Pupuk,Obat-Obatan,dan Pakan/Fertilizer,Drugs&Feed                     | 106.85        | 106.93        | 107.43        | 107.63        |
| Biaya Sewa&Lainnya/Rental Cost&Others                                 | 111.50        | 111.59        | 111.96        | 112.20        |
| Transportasi/Transportation   | 126.82        | 126.80        | 126.84        | 127.01        |
| Penambahan Barang Modal/Additional Capital Goods                      | 108.56        | 108.56        | 108.60        | 108.60        |
| Upah Buruh Tani/Wages of Farm Labour                                  | 116.16        | 116.16        | 116.16        | 116.16        |
| <b>Nilai Tukar Petani/Farmers' Terms of Trade</b>                     | <b>93.82</b>  | <b>92.94</b>  | <b>93.18</b>  | <b>93.06</b>  |
| <b>Nilai Tukar Usaha Pertanian/Farmers' Business Terms of Trading</b> | <b>102.32</b> | <b>101.79</b> | <b>101.90</b> | <b>102.73</b> |

# **DATA MENCERDASKAN BANGSA**



**Badan Pusat Statistik Provinsi Sulawesi Utara  
Jl. 17 Agustus, Manado, Sulawesi Utara  
Telp: (0431)847044 Fax : (0431) 862204  
Email : bps7100@bps.go.id**

