

# M E T A D A T A

| 0. CONTACT                   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
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| 1. BASIC INFORMATION         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| 1.1. Data Name               | Consumer Price Index                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| 1.2. Status Update           | July 2024                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| 1.3. Regulatory/Legal Basis  | <ul style="list-style-type: none"><li>• Bank Indonesia (BI) is the central bank in accordance with the mandate of the Bank Indonesia Act (No. 23) of 1999, as amended several times, most recently by Act No. 4 of 2023 concerning Financial Sector Development and Strengthening (P2SK).</li><li>• Under prevailing BI regulations, quality statistics are required to support policymaking at Bank Indonesia towards realising the vision, missions, and strategies of Bank Indonesia.</li><li>• In accordance with the Public Information Disclosure Act, all public information is open and accessible to all Public Information Users.</li><li>• In the context of managing and providing Public Information, Bank Indonesia as a Public Institution – Non-Ministerial Government Agency (LN-LPNK) provides statistics that are available to the public.</li></ul> |
| 1.4. Data Confidentiality    | <ul style="list-style-type: none"><li>• Bank Indonesia must maintain the confidentiality of data sources and individual data (survey results), as stipulated in the Bank Indonesia Act (No. 23) 1999.</li></ul>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

- Bank Indonesia presents aggregate data that are open to the public. As a public institution, Bank Indonesia is committed to managing and maintaining public information disclosure in accordance with the Public Information Disclosure Act and other prevailing regulations.

#### 1.5. Quality Management

- Bank Indonesia conducts periodic reviews to identify the measures necessary to maintain quality standards as required.
- Bank Indonesia publishes an Advance Release Calendar (ARC) as a management tool to control the timeliness of the statistics published.

## 2. PRESENTATION OF STATISTICS

### 2.1. Data Description

The Consumer Price Index (CPI) is an economic indicator that provides information concerning the prices of goods and services paid for by consumers.

### 2.2. Concepts, Definitions, and Scope of the Data

#### Concepts and Definitions

The Consumer Price Index (CPI) is an economic indicator that provides information concerning the prices of goods and services paid for by consumers.

CPI is calculated to record changes in the consumer purchase price (purchasing cost) of a fixed basket of goods and services typically consumed by the public.

#### Scope of the Data

- Since January 2024, CPI data has used the Household Expenditure Survey (HES) of 2022, which covers 154 regencies/cities. Of these 154 regencies/cities, 94 were also listed in the HES sample 2018 in urban areas, and 60 regencies have been added to the new HES sample 2022 in urban and rural areas.
- Overall, the CPI index covers a basket of 847 commodities, compared to the 835 commodities in the previous HES survey. The basket of commodities is classified into the 11 following groups: (1) food, beverages, and tobacco; (2) clothing and

footwear; (3) housing, water, electricity, and household fuel; (4) household equipment, tools and routine maintenance, (5) health, (6) transportation, (7) information, communication and financial services, (8) recreation, sports and culture, (9) education, (10) accommodation and food service activities, (11) personal care and other services.

- From January 2020 until December 2023, CPI data was used in HES 2018, covering a sample of 90 cities, namely 34 provincial capitals and 56 regencies/cities. In that sample, 82 cities were also in the HES sample for 2012, including eight new cities. Overall, the basket covered 835 commodities, classified into the 11 following groups: (1) food, beverages, and tobacco, (2) clothing and footwear, (3) housing, water, electricity and household fuel, (4) household equipment, tools and routine maintenance, (5) health, (6) transportation, (7) information, communication and financial services, (8) recreation, sports and culture, (9) education, (10) accommodation and food service activities, (11) personal care and other services.
- From June 2008 until December 2019, CPI data covered a sample of 66 cities throughout Indonesia. Overall, the basket included 774 commodities, classified into the seven following groups: (1) food products, (2) food, beverages, cigarettes, and tobacco, (3) housing, water, electricity, and household fuel, (4) clothing, (5) health, (6) education, recreation and sport, (7) transportation, communication, and financial services.
- From January 2004 until May 2008, CPI data covered a sample of 45 cities throughout Indonesia, with a basket of 744 commodities (283-397 commodities per city).
- From April 1998 until December 2003, CPI data covered a sample of 44 cities throughout Indonesia, with a basket of 662 commodities (249-353 commodities per city). In November 1999, however, the city of Dili was excluded from the index, bringing the sample of cities to 43.
- Previously, CPI data covered 44 provincial capital cities as the sample cities, with a basket of 200-225 commodities per city based on HES in 1988-1989.

### 2.3. Units of Measurement

Data is presented as an index

### 2.4. Reference Period

Monthly

## 3. SOURCE OF THE DATA

### Source/Provider of the Data

National Statistics Office, Official Statistics News (BRS)

## 4. METHODOLOGY

The basket of commodities selected to calculate CPI is based on HES 2022. HES data are used to determine the basket of commodities, weights, and base year when calculating CPI.

Since January 2024, the National Statistics Office has calculated the CPI based on monthly HES 2022 conducted in 154 regions/cities. Of these, 94 were also included in the HES sample for 2018 in urban areas, and 60 regencies have been included in the new HES sample for 2022 in urban and rural areas.

The price data for goods and services that are collected/collated are retail prices and transaction prices. Observations include daily, weekly, biweekly, and monthly. In each city, the price data is collected from several traditional and modern markets representing local prices.

Three or four outlets are surveyed for each commodity directly via interview.

The compilation techniques are as follows:

1. CPI is calculated using the Modified Laspeyres' method/formula:

$$I_n = \frac{\sum_{i=1}^k \frac{P_{ni}}{P_{(n-1)i}} (P_{(n-1)i} \cdot Q_{0i})}{\sum_{i=1}^k P_{0i} \cdot Q_{0i}} \times 100$$

Dimana:

$I_n$  : Indeks bulan ke-n

$P_{ni}$  : Harga jenis komoditi i pada bulan ke-n

$P_{(n-1)i}$  : Harga jenis komoditi i pada bulan ke-n-1

$P_{(n-1)i} \cdot Q_{0i}$  : Nilai konsumsi jenis komoditi i bulan ke n-1

$P_{0i}Q_{0i}$  : Nilai konsumsi jenis komoditi i pada tahun dasar

2. The percentage change in CPI is calculated as follows:

- The month-to-month (mtm) change is calculated as follows:

$$\text{IHK month-to-month (m-t-m)} = \left( \frac{I_n}{I_{(n-1)}} - 1 \right) \times 100$$

Dimana:

$I_n$  : IHK bulan ke-n

$I_{(n-1)}$  : IHK bulan ke-(n-1)

- Based on the calendar year, the percentage change in CPI in the  $n^{\text{th}}$  month is calculated using the point-to-point (ptp) method with the CPI in December of the previous year (t-1) (year-to-date change - ytd) as follows:

$$\text{IHK year-to-date (y-t-d)} = \left( \frac{I_{nt}}{I_{\text{Des (t-1)}}} - 1 \right) \times 100$$

Dimana:

$I_{nt}$  : IHK bulan ke-n tahun ke-t

$I_{\text{Des. (n-1)}}$  : IHK bulan Desember tahun ke-(t-1)

- The year-on-year (yoy) change in CPI in the  $n^{\text{th}}$  month is calculated using the point-to-point (ptp) method with the CPI in the same period of the previous year (t-1) as follows:

$$\text{IHK year-on-year (y-o-y)} = \left( \frac{I_{nt}}{I_{n(t-1)}} - 1 \right) \times 100$$

Dimana:

$I_{tn}$  : IHK bulan ke-n tahun ke-t

$I_{t(n-1)}$  : IHK bulan ke-n tahun ke-(t-1)

Beginning in January 2024, CPI is calculated by the National Statistics Office based on 2022 HES as the base year from HES 2022.

The base year used in the calculation of CPI has been revised several times, which includes the weights, basket of commodities, and cities as follows:

- From January 2020 to December 2023, BPS-Statistics Indonesia calculated the CPI using 2018 as the base year from HES 2018.
- From January 2014 to December 2019, CPI was calculated based on 2012 as the base year (2012 = 100) from HES 2012.

- During June 2008 – December 2013, CPI was calculated based on 2007 as the base year (2007 = 100) from HES 2007.
- From January 2004 to May 2008, CPI was calculated based on 2002 as the base year (2002 = 100) from HES 2002.
- From April 1998 to December 2003, CPI was calculated based on 1996 as the base year (1996 = 100) from HES 1996.
- Before April 1998, CPI was calculated based on HES 1988-1989.

## 5. DISSEMINATION

### 5.1. Dissemination Frequency

Monthly

### 5.2. Timeliness

- Week 1 after the end of the reporting period (web publications)
- Week 2 after the end of the reporting period (print media)

### 5.3. Dissemination Policy

[The Advance Release Calendar \(ARC\)](#) is published each December before the upcoming year.

### 5.4. Consistency

Validation and coordination with relevant parties are conducted periodically to achieve data consistency.

### 5.5. Data Revision

- Data is final upon initial publication.
- Changes to the methodology are announced when the new methodology data is published for the first time.

### 5.6. Dissemination Format

The data are presented in Excel and PDF formats.

### 5.7. Documentation Accessibility

Data is accessible via the official Bank Indonesia website (<https://www.bi.go.id>)

