

M E T A D A T A

BASIC INFORMATION	
1	Data Category : Prompt Manufacturing Index - Bank Indonesia (PMI-BI)
2	Statistics Disseminator : Statistics Department, Bank Indonesia
3	Address : Jl. M.H. Thamrin No. 2, Building B, 15 th Floor, Jakarta
4	Contact : Real Sector Statistic Division
5	Telephone : 131 (local), 1500131 (abroad)
6	Facsimile : 62-21- 386 4884
7	Email : bicara@bi.go.id
DATA DEFINITION	
<p>Prompt Manufacturing Index – BI (PMI-BI) is an indicator that provides an overview of the performance of manufacturing sector, which is useful for assessing the current economic condition as well as the expectation of the next quarter. PMI-BI is a composite index based on five weighted individual indices namely new order volume, production volume, employment, delivery time of supply and inventory volume.</p>	
DATA COVERAGE	
<p>PMI-BI is compiled based on manufacturing sector data of Bank Indonesia Business Survey since the first quarter of 2010.</p> <p>The index is generated from about 900 medium to large business scale companies in manufacturing sector throughout 34 provinces in Indonesia.</p> <p>The scope of PMI-BI is the manufacturing sector which refers to the classification of economic sectors in GDP as follows:</p> <ol style="list-style-type: none"> 1. Coal and Refined Petroleum Products Industry 2. Other Non-Metallic Mineral Products Industry 3. Basic Metal Industry 4. Fabricated Metal Products, Computer, Electronic, and Optical Products, and Electrical Equipment Industry 5. Machinery and Equipment Industry 6. Transportation Equipment Industry 7. Furniture Industry 8. Other Industry, Repair and Installation of Machinery and Equipment 	

9. Food Products and Beverages Industry
10. Tobacco Products Industry
11. Textiles and Apparel Industry
12. Leather and Related Products and Footwear Industry
13. Wood and Products of Wood and Cork, and Articles of Straw and Plaiting Materials Industry.
14. Paper and Paper Products, Printing and Reproduction of Recorded Media Industry
15. Chemicals, Pharmaceuticals, and Botanical Products Industry
16. Rubber, Rubber Products and Plastics Products Industry

PMI-BI is estimated by composing five weighted individual indices as follows:

1. New order volume (weight 30%)
2. Production volume (weight 25%)
3. Number of workers (weight 20%)
4. Delivery time of supply (weight 15%), and
5. Inventory volume (weight 10%)

Unit:

Data published as an index, where indexes above 50 indicate further expansion, and below 50 indicate contraction in the manufacturing sector.

Currency:

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PERIODICITY OF PUBLICATION

Quarterly

TIMELINESS

2 (two) weeks after survey period ends (Website).

ADVANCE RELEASE CALENDAR (ARC)

The Advance Release Calendar (attached) is issued every December, annually.

SOURCE OF DATA

Bank Indonesia (BI): Prompt Manufacturing Index (PMI)

METHODOLOGY

The calculation of PMI based on five variables as follows:

1. New order volume (X_1), weighted by 30%
2. Production volume (X_2), weighted by 25%
3. Number of workers (X_3), weighted by 20%
4. Delivery time of supply (X_4), weighted by 15%, dan
5. Inventory volume (X_5), weighted by 10%

The index of each variable is calculated by counting the percentage of the respondent who answered "increase" and those who answered "remain the same/stable" and "decrease" to the total respondents for each variable.

The index of each variables then multiplied by the weight following the formula:

$$Index_{variable X_n} = (P1_{X_n} * 1) + (P2_{X_n} * 0.5) + (P3_{X_n} * 0)$$

Dimana,

$P1$ = the percentage of respondents who answered "increase"

$P2$ = the percentage of respondents who answered "remain the same/stable"

$P3$ = the percentage of respondents who answered "decrease"

X_n = each variable of PMI component

PMI manufacturing sector is the sum of each weighted index of PMI variables:

$$PMI = 0.3 X_1 + 0.25 X_2 + 0.20 X_3 + 0.15 X_4 + 0.10 X_5$$

Interpretation of the results of the calculation PMI mentioned above are as follows:

If all respondents (100%) answered increase, index = 100.0, and on the contrary if all respondents answered decrease, index = 0. If all respondents answered remain the same index = 50.

The total of PMI of manufacturing sector is a proxy for manufacturing sector performance. Index reading above 50 indicates further expansion on manufacturing sector, while below 50 indicates contraction in the manufacturing sector.

DATA INTEGRITY

Should there be any method changes, new data and methods will be disseminated along with new data publication.

PUBLIC ACCESS TO DATA

Data are disseminated on:

- Bank Indonesia Website (<http://www.bi.go.id/>)