**TUGAS PERTEMUAN 10**

**STATISTIKA DAN PROBABILITAS**

**INDEKS AGREGATIF TERTIMBANG**



**Disusun oleh:**

**Fauzi Ikhsan Fajar Muzaqi 2022320018**

**PROGRAM STUDI SISTEM INFORMASI**

**FAKULTAS INFORMATIKA**

**UNIVERSITAS BINA INSANI**

**BEKASI**

**2022**

Buatlah indeks agregatif tertimbang untuk tahun 1995 dengan waktu dasar 1994 dari data yang disajikan dalam tabel berikut.

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Jenis Barang** | **Produksi**  **(Satuan)** | | **Harga**  **(Satuan)** | |  |  |  |  |
| **1994** | **1995** | **1994** | **1995** |
| A | 35 | 20 | 20 | 15 | 700 | 525 | 400 | 300 |
| B | 15 | 40 | 35 | 30 | 525 | 450 | 1400 | 1200 |
| C | 60 | 50 | 40 | 40 | 2400 | 2400 | 2000 | 2000 |
| D | 45 | 70 | 30 | 60 | 1350 | 2700 | 2100 | 4200 |
| E | 30 | 90 | 15 | 80 | 450 | 2400 | 1350 | 7200 |
| **Jumlah** | **185** | **270** | **140** | **225** | **5425** | **8475** | **7250** | **14900** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Jenis Barang** |  |  |  |  |
| A | 396,86 | 529,15 | 825 | 1100 |
| B | 734,85 | 857,32 | 1650 | 1925 |
| C | 2190,89 | 2190,89 | 4400 | 4400 |
| D | 3367,49 | 1683,75 | 6900 | 3450 |
| E | 4156,92 | 779,42 | 9600 | 1800 |
| **Jumlah** | **10847** | **6040,5** | **23375** | **12675** |

* **Indeks Agregatif Tertimbang**
* **Indeks Laspeyres**
* **Indeks Paasche**
* **Indeks Drobisch**
* **Indeks Irving Fisher**

* **Indeks Walsh**
* **Indeks Marshall Edgeworth**

**JAWABAN :**

|  |  |  |
| --- | --- | --- |
| **Indeks Agregatif Tertimbang** | | 156,22% |
| **Indeks Laspeyres** | **Harga** | 156,22% |
| **Produksi** | 133,64% |
| **Indeks Passche** | **Harga** | 205,51% |
| **Produksi** | 175,81% |
| **Indeks Drobisch** | **Harga** | 180,86% |
| **Produksi** | 204,72% |
| **Indeks Irving Fisher** | **Harga** | 179,18% |
| **Produksi** | 152,28% |
| **Indeks Walsh** | | 179,57% |
| **Indeks Marshall Edgeworth** | | 184,82% |