

COMPARISON OF CALCULATION OF STOCK VALUE USING *FIFO* AND *AVERAGE* METHOD IN XYZ STORE

Prasetyo Widyo Iswara¹

¹Accounting Study Program, ²Politeknik NSC Surabaya
interpraz08@gmail.com

ABSTRACT

The purpose of this research is to determine the comparison of counting value of the stock commodity by *FIFO* and *Average* methods at the XYZ Store and to find out whether by the method the XYZ Store earns greater profits. This study uses primary data from the commodity stock of XYZ Store. The research method used in this study is commodity stock data at the XYZ Store. The analysis technique uses 2 different methods. The first method uses the *FIFO* method (First In First Out) and the second uses *Average* method. This research is limited to the problem of calculating the value of rice and sugar commodity in May 2018 only. The conclusion of this study is that the final stock value and gross profit both of rice and sugar is greater in value in using the *FIFO* method rather than using the *Average* method. Then, the price of the main cost sales of both rice and sugar if using the *FIFO* method is lower than the cost of using the *Average* method. In the end, it is obtained that by using the *FIFO* method, XYZ stores will get more benefit than using the *Average* method.

Keywords: Commodity Stock, FIFO, and Average.

INTRODUCTION

XYZ shop is a shop that sells basic food products such as rice, granulated sugar, coffee, tea, eggs, cooking oil, soap, shampoo, soy sauce, and syrup. The XYZ store is located in Krampung Market, better known as Kaza City Mall Surabaya. Every transaction occurs, the shop owner always records manually in his book notes. The process of recording the entry and exit of goods in the XYZ Shop is also carried out in the book notes. The availability value of commodity is carried out using the *FIFO* method (First In First Out). The application of the *FIFO* method arranges the first entry commodity to be the first item to come out (Dimas, 2017). The final stock value and gross profit if using the *FIFO* method is greater in value than using the *Average* method. While the value of cost of goods sold if using the *FIFO* method is smaller in value than using the *Average* method. Then it is found that by using the method *FIFO* will get more benefits than using the *Average* method.

According to Firdaus (2013: 119) said that stock can be defined as tangible assets obtained by the company to resale in the normal activities of the company and those obtained to be processed first and sold. The application of valuation of commodity inventory using different methods will affect the financial statements. The results of Ivantri's research (2016) states that the *FIFO* stock valuation method is able to produce a more optimal accounting profit than using the *Average* method.

The choice of *Stock* method in Indonesia refers to the Statement of Financial Accounting Standards (PSAK) No. 14 (IAI, 2013) where there are several alternative *Stock* methods that can be used, namely

Special Identification methods, *FIFO* (First In First Out) method, and *Weighted Average* methods. According to Firdaus (2013: 122) said that the identification method is specifically where methods that trade goods that can be easily identified one by one. Goods that are ready and have a second order are items that enter or are purchased on the second purchase. And so on, if at the end of the period there are still items left or not sold, then the goods are comes from a purchase on the date or latest dates. According to Sugiri (2013: 83) the method of *Weighted Average (Average)* assumes that the acquisition cost that is attached to merchandise is the average of the total cost. In common sentence, It is called that items purchased between one date and other dates are mixed.

Research conducted by Ivantri (2016) finds that the method of valuing finished goods applied in companies is the average method and with the application of this method the resulting profit is less optimal when compared with using the *FIFO* method. Whereas the research conducted by Goenawan, et al (2011) says that the stock valuation method in *FIFO* is better used by companies than using the method applied by the company (*LIFO*) because stock valuation by *FIFO* can provide a more reasonable calculation of cost of goods sold affect the size of the company will be obtained. The *FIFO* valuation method has result, that is in lower cost of goods sold compared to other valuation methods.

Based on the description above, it can be formulated in this study: How to compare the stock valuation of commodity with the method of *FIFO*,

LIFO, and *Average* at the XYZ Store and to find out by the method whether the XYZ Store gets bigger profit.

RESEARCH METHODS

This study uses 2 types of data and data sources, namely primary data and secondary data. According to Fatihudin (2015: 116) states that primary data is data collected by the researcher himself directly from the object of research, while secondary data is data collected by researchers indirectly or using other sources, other bodies / institutions, or from other researchers . The primary data used is commodity stock of the XYZ store data in the form of rice and sugar.

The analytical method used in this study is a qualitative method and a quantitative method. Qualitative data is data about the nature, character, and not in the form of numbers. Qualitative data is presented in the form of a description of the method of evaluating the stock of XYZ Shop commodity. Whereas quantitative data are data in the form of numbers. Quantitative data are presented using numbers, namely inventory valuation calculations using the *FIFO* and *Average* methods.

The data collection techniques used in this study are as follows:

1. Observation (Observation)
2. Documentary

The subject of this study is the XYZ Shop in Krampung Market, while the research object is the valuation of merchandise inventory with the *FIFO* method and the *Average* method.

The conceptual framework of this research can be seen in the picture below:

The conceptual framework of this research can be seen in the picture as follows:

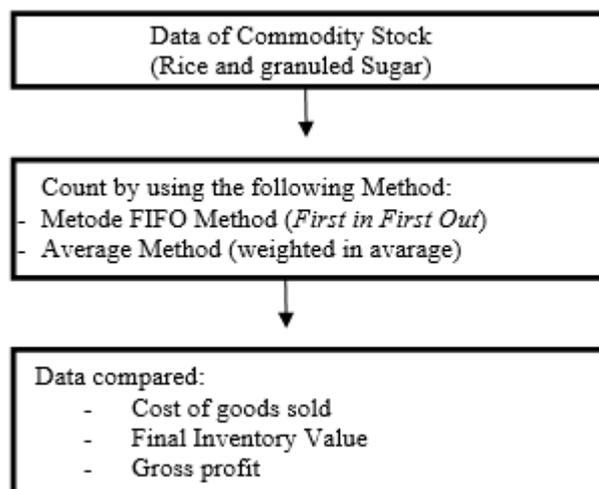


Figure 1. Research Conceptual Framework

ANALYSIS AND DISCUSSION

Beras or Rice Supply

In trading companies there is only one classification of stock, namely the stock of commodities. Commodities is obtained from suppliers and resold to consumers without changing its form. This commodity is the main source of income for XYZ stores, one of them is rice.

Table 1. Selling Price of Rice in Mei 2018

No	Kind of Rice	Price/kg
1	Kepala Cap Bintang Rice	Rp 8.080
2	Merak Putih Rice	Rp 8.120
3	Cap Udang Mas Rice	Rp 6.960
4	Bengawan Murah Rice	Rp 6.640
5	Cap Tawon Rice	Rp 8.800
6	Cap Rosita Rice	Rp 7.840
7	Bramo Rice	Rp 8.200
8	Mentik Wangi Rice	Rp 9.000

Source: XYZ Store

3.2 Gula or Sugar Supplies

Sugar is one of the ingredients of food and beverages commonly consumed by the community. Sugar has many different brands and prices. The price of sugar from the factory is of course certain consumers who think that it is better to buy 1 sack of sugar. One reason for buying 1 sack of sugar is a more affordable price.

Table 2. Sugar Price in Mei 2018

No	Kind of Sugar	Price/Sack (50 kg)
1	Sugar SUJ-1	Rp 400.000
2	Sugar SUJ-2	Rp 390.000
3	Sugar Gulaku-1	Rp 420.000
4	Sugar Gulaku-2	Rp 400.000
5	Sugar MSI Medan-1	Rp 425.000
6	Sugar MSI Medan-2	Rp 410.000
7	Sugar KBA-1	Rp 432.000
8	Sugar KBA-2	Rp 400.000
9	Sugar GMP-1	Rp 450.000
10	Sugar GMP-2	Rp 410.000

Source: XYZ Store

Calculation of Assessment

Stock value by *FIFO* Method For the stock valuation method used by the XYZ Store is the *FIFO* method (First In First Out). Calculation of stock value by stock cards. This method of calculating the items purchased first must be sold first. If the last sale of goods exceeds the number of purchases of the earlier commodity. (Widyastuti, 2015).

Table 3. Kepala Cap Bintang Rice

Source: Processed Data

Based on the data above, the final stock value for Kepala Cap Bintang Rice is Rp. 158,000,000, for a total cost of goods sold of Rp. 455,000,000 from all sales transactions. As for the total purchase of Kepala Cap Bintang Rice during May 2018 was Rp. 543,000,000. The initial stock value of Kepala Cap Bintang Rice is Rp. 70,000,000.

Table 4. Merak Putih Rice

Source: Processed Data

Based on the above data, the final stock value for Merak Putih Rice is Rp 136,000,000, for the total cost of goods sold of Rp 431,100,000 from all sales transactions. Whereas the total purchase of Merak Putih Rice during May 2018 was IDR 509,500,000. The initial stock value of Merak Putih Rice is Rp. 57,600,000.

Table 5. Cap Udang Mas Rice

Source: Processed Data

Based on the data above, the final stock value of Udang Mas Rice is Rp. 32,130,000, for the total cost of goods sold at Rp. The initial stock value of Udang Mas Rice is IDR 50,000,000

Table 6. Bengawan Murah Rice

Source: Processed Data

Based on the above data, the final stock value for cheap Bengawan Rice is Rp. 91,450,000, for a total cost of goods sold of Rp. 353,550,000 of all sales transactions. As for the total purchase of cheap Bengawan Rice during May 2018 was Rp 395,000,000. The initial stock value of cheap Bengawan Rice is IDR 50,000,000.

Tabel 7. Tawon Rice

Source: Processed Data

Based on the data above, the final stock value for Tawon Rice is Rp 157,000,000, for the total cost of goods sold amounting to Rp 321,650,000 from all sales transactions. Whereas for the total purchase of Tawon Rice during May 2018 it was Rp.

406,150,000. The initial stock value of Tawon Rice is Rp. 72,500,000.

Tabel 8. Rosita Rice

Tgl	Uraian	Saldo Awal	Saldo Akhir	Saldo Awal	Saldo Akhir	Saldo Awal	Saldo Akhir
01/05/18							
02/05/18							
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30/05/18							
31/05/18							

Source: Processed Data

Based on the above data, the final stock value for Rosita Rice is Rp. 25,185,000, for the total cost of goods sold of Rp. 385,815,000 from all sales transactions. Whereas for the total purchase of Rosita Rice during the month of May, 2015 was Rp 351,000,000. The initial stock value of Rosita Rice is Rp. 60,000,000.

Table 9. Bramo Rice

Tgl	Uraian	Saldo Awal	Saldo Akhir	Saldo Awal	Saldo Akhir	Saldo Awal	Saldo Akhir
01/05/18							
02/05/18							
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29/05/18							
30/05/18							
31/05/18							

Source: Processed Data

Based on the above data, the final stock value for Bromo Rice is Rp. 15,800,000, for a total cost of goods sold of Rp. 615,450,000 from all sales transactions. Whereas the total purchase of Bromo Rice during May 2018 was Rp. 562,250,000. The initial stock value is IDR 69,000,000.

Tabel 10. Mentik Wangi Rice

Tgl	Uraian	Saldo Awal	Saldo Akhir	Saldo Awal	Saldo Akhir	Saldo Awal	Saldo Akhir
01/05/18							
02/05/18							
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30/05/18							
31/05/18							

Source: Processed Data

Based on the above data, the final stock value for Mentik Wangi Rice is Rp. 11,850,000, for the total cost of goods sold of Rp. 657,150,000 from all sales transactions. Meanwhile for the total purchase

of Mentik Wangi Rice in May 2018, Rp. 613,000,000. is IDR 56,000,000.

Tabel 11. Sugar SUJ-1

Tgl	Uraian	Saldo Awal	Saldo Akhir	Saldo Awal	Saldo Akhir	Saldo Awal	Saldo Akhir
01/05/18							
02/05/18							
03/05/18							
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31/05/18							

Source: Processed Data

Based on the above data, the final stock value for white SUJ sugar is Rp. 13,490,000, for the total cost of goods sold at Rp. 113,660,000 from all sales transactions. As for the total purchase of white SUJ sugar during May 2018 was Rp 121,150,000. The stock value of SUJ white sugar is Rp. 6,000,000.

Table 12. Sugar SUJ-2

Tgl	Uraian	Saldo Awal	Saldo Akhir	Saldo Awal	Saldo Akhir	Saldo Awal	Saldo Akhir
01/05/18							
02/05/18							
03/05/18							
04/05/18							
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30/05/18							
31/05/18							

Source: Processed Data

Based on the above data, the final stock value for Yellow SUJ sugar is Rp 12,078,000, for the total cost of goods sold of Rp 124,247,000 from all sales transactions. The total purchase of SUJ yellow sugar during May 2018 was Rp 132,125,000. The initial stock value of SUJ yellow sugar is Rp. 4,200,000

Table 13. Sugar Gulaku-1

Tgl	Uraian	Saldo Awal	Saldo Akhir	Saldo Awal	Saldo Akhir	Saldo Awal	Saldo Akhir
01/05/18							
02/05/18							
03/05/18							
04/05/18							
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27/05/18							
28/05/18							

Table 14. Sugar Gulaku-2

NO	DATE	Uraian	Debit	Kredit	Saldo
1	01-05-18	Saldo Awal			14.500.000
2	02-05-18	Pembelian		108.750.000	123.250.000
3	03-05-18	Penjualan	115.650.000		7.600.000
4	31-05-18	Saldo Akhir			7.600.000

Source: Processed Data

Based on the above data, the final stock value for yellow sugar is Rp. 7,600,000, for the total cost of goods sold of Rp. 115,650,000 from all sales transactions. The total yellow sugar purchases during May 2018, Rp. 108,750,000. The value of the initial stock of yellow sugar is Rp. 14,500,000.

Tabel 15. Sugar MSI Medan-1

NO	DATE	Uraian	Debit	Kredit	Saldo
1	01-05-18	Saldo Awal			25.200.000
2	02-05-18	Pembelian		100.150.000	125.350.000
3	03-05-18	Penjualan	119.230.000		6.120.000
4	31-05-18	Saldo Akhir			6.120.000

Source: Processed Data

Based on the data above, the final stock value for white field MSI sugar is IDR 6,120,000, for the total cost of goods sold of IDR 119,230,000 from all sales transactions. The total purchase of white MSI sugar during May 2018 was IDR 100,150,000. The value of the initial stock of MSI Medan white sugar is Rp. 25,200,000.

Table 16. Sugar MSI Medan-2

NO	DATE	Uraian	Debit	Kredit	Saldo
1	01-05-18	Saldo Awal			1.280.000
2	02-05-18	Pembelian		75.550.000	76.830.000
3	03-05-18	Penjualan	97.145.000		1.280.000
4	31-05-18	Saldo Akhir			1.280.000

Source: Processed Data

Based on the data above, the final stock value for the MSI Medan yellow sugar is Rp. 1,280,000, for the total cost of goods sold of Rp.97.145.000 from all sales transactions. The total purchase of MSI Medan yellow sugar during May 2018, Rp. 75,550,000. The initial stock value of the MSI Medan yellow sugar is Rp. 22,875,000.

Tabel 17. Sugar KBA-1

NO	DATE	Uraian	Debit	Kredit	Saldo
1	01-05-18	Saldo Awal			19.200.000
2	02-05-18	Pembelian		112.320.000	131.520.000
3	03-05-18	Penjualan	124.710.000		6.810.000
4	31-05-18	Saldo Akhir			6.810.000

Source: Processed Data

Based on the above data, the final stock value for KBA white sugar is IDR 6,810,000, for the total cost of goods sold is IDR 124,710,000 from all sales transactions. The total purchase of KBA white sugar during May 2018 was Rp. 112,320,000. The initial stock value of KBA white sugar is Rp. 19,200,000.

Tabel 18. Sugar KBA-2

NO	DATE	Uraian	Debit	Kredit	Saldo
1	01-05-18	Saldo Awal			18.525.000
2	02-05-18	Pembelian		84.870.000	103.395.000
3	03-05-18	Penjualan	122.000.000		1.220.000
4	31-05-18	Saldo Akhir			1.220.000

Source: Processed Data

Based on the above data, the final stock value for KBA yellow sugar is IDR 1,220,000, for the total cost of goods sold of IDR 84,870,000 from all sales transactions. The total purchase of yellow KBA sugar during May 2018 it was IDR 67,565,000. The initial stock value of the KBA yellow sugar is Rp. 18,525,000

Table 19. Sugar GMP-1

NO	DATE	Uraian	Debit	Kredit	Saldo
1	01-05-18	Saldo Awal			29.700.000
2	02-05-18	Pembelian		106.025.000	135.725.000
3	03-05-18	Penjualan	6.900.000		128.825.000
4	31-05-18	Saldo Akhir			29.700.000

Source: Processed Data

Based on the above data, the final inventory value for GMP white sugar is Rp. 6,900,000, for the total cost of goods sold at Rp. 106,025,000 from all sales transactions. Meanwhile, for the total purchase of GMP white sugar during May 2018, Rp. 83,225,000. The initial stock value of GMP white sugar is Rp. 29,700,000

Table 26. Rosita Rice

Tgl	Kd	Uraian	Saldo	Kd	Uraian	Saldo	Kd	Uraian	Saldo
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30/05/18									
31/05/18									

Source: Processed Data

Based on the above data, the final stock value for rosita rice is Rp. 25,086,960, for the total cost of goods sold at Rp. 385,913,040 of all sales transactions. The total purchase of rosita rice in May 2018 was IDR 351,000,000. The initial stock value of Rosita Rice is Rp. 60,000,000.

Table 27. Bramo Rice

Tgl	Kd	Uraian	Saldo	Kd	Uraian	Saldo	Kd	Uraian	Saldo
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31/05/18									

Source: Processed Data

Based on the above data, the final stock value for bramo rice is Rp. 15,800,000, for the total cost of goods sold of Rp. 615,450,000 from all sales transactions. The total purchase of bramo rice during May 2018 was IDR 562,250,000. The initial stock value is IDR 69,000,000.

Table 28. Mentik Wangi Rice

Tgl	Kd	Uraian	Saldo	Kd	Uraian	Saldo	Kd	Uraian	Saldo
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31/05/18									

Source: Processed Data

Based on the data above, the final stock value for Mentik Wangi Rice is Rp. 11,833,376, for the total cost of goods sold of Rp. 657,166,624 of all sales transactions. While for the total purchase of Mentik Wangi Rice during May 2018, Rp. 613,000,000. The initial stock value of Mentik Wangi Rice is Rp. 56,000,000

Table 29. SUJ White Rice

Tgl	Kd	Uraian	Saldo	Kd	Uraian	Saldo	Kd	Uraian	Saldo
01/05/18									
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31/05/18									

Source: Processed Data

Based on the above data, the final stock value for white SUJ sugar is IDR 13,445,920, for the total cost of goods sold IDR 113,704,080 from all sales transactions. The total purchase of SUJ white sugar during May 2018 was IDR 121,150,000. The initial stock value of SUJ white sugar is Rp. 6,000,000

Table 30. Sugar SUJ-2

Tgl	Kd	Uraian	Saldo	Kd	Uraian	Saldo	Kd	Uraian	Saldo
01/05/18									
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16/05/18									
17/05/18									
18/05/18									
19/05/18									
20/05/18									
21/05/18									
22/05/18									
23/05/18									
24/05/18									
25/05/18									
26/05/18									
27/05/18									
28/05/18									
29/05/18									
30/05/18									
31/05/18									

Source: Processed Data

Based on the above data, the final stock value for Yellow SUJ sugar is Rp 12,055,345, for the total cost of goods sold at Rp 124,269,655 from all sales transactions. For the total purchase of SUJ yellow sugar during May 2018 it was Rp 132,125,000. The initial stock value of SUJ Yellow Sugar is Rp. 4,200,000.

Table 31. Sugar Gulaku-1

Tgl	Kd	Uraian	Saldo	Kd	Uraian	Saldo	Kd	Uraian	Saldo
01/05/18			</						

Table 32. Sugar Gulaku-2

Tgl	Saldo	Debit	Kredit	Saldo
01/05/18	14.500.000			14.500.000
02/05/18				
03/05/18				
04/05/18				
05/05/18				
06/05/18				
07/05/18				
08/05/18				
09/05/18				
10/05/18				
11/05/18				
12/05/18				
13/05/18				
14/05/18				
15/05/18				
16/05/18				
17/05/18				
18/05/18				
19/05/18				
20/05/18				
21/05/18				
22/05/18				
23/05/18				
24/05/18				
25/05/18				
26/05/18				
27/05/18				
28/05/18				
29/05/18				
30/05/18				
31/05/18				
Jumlah				

Source: Processed Data

Based on the above data, the final inventory value for yellow sugar cane is Rp. 7,585,777, for the total cost of goods sold of Rp. 115,664,223 of all sales transactions. As for the total purchase of yellow sugar, during the month of May 2018 it was Rp. 108,750,000. The initial stock value for yellow sugar is Rp. 14,500,000.

Tabel 33. Sugar MSI Medan-1

Tgl	Saldo	Debit	Kredit	Saldo
01/05/18	25.200.000			25.200.000
02/05/18				
03/05/18				
04/05/18				
05/05/18				
06/05/18				
07/05/18				
08/05/18				
09/05/18				
10/05/18				
11/05/18				
12/05/18				
13/05/18				
14/05/18				
15/05/18				
16/05/18				
17/05/18				
18/05/18				
19/05/18				
20/05/18				
21/05/18				
22/05/18				
23/05/18				
24/05/18				
25/05/18				
26/05/18				
27/05/18				
28/05/18				
29/05/18				
30/05/18				
31/05/18				
Jumlah				

Source: Processed Data

Based on the data above, the final inventory value for MSI Medan White Sugar is Rp 6,073,172, for the total cost of goods sold at Rp 119,276,828 from all sales transactions. Total of MSI sugar purchases the field is white during May 2018 of Rp 100,150,000. The value of the initial stock of MSI white sugar is Rp. 25,200,000.

Table 34. Sugar MSI Medan-2

Tgl	Saldo	Debit	Kredit	Saldo
01/05/18	1.279.158			1.279.158
02/05/18				
03/05/18				
04/05/18				
05/05/18				
06/05/18				
07/05/18				
08/05/18				
09/05/18				
10/05/18				
11/05/18				
12/05/18				
13/05/18				
14/05/18				
15/05/18				
16/05/18				
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19/05/18				
20/05/18				
21/05/18				
22/05/18				
23/05/18				
24/05/18				
25/05/18				
26/05/18				
27/05/18				
28/05/18				
29/05/18				
30/05/18				
31/05/18				
Jumlah				

Source: Processed Data

Based on the above data, the final stock value for sugar for MSI Medan Yellow Sugar is Rp 1,279,158, for the total cost of goods sold at Rp 97,145,842 from all sales transactions. The total purchase of MSI Medan Yellow Sugar during the month of May 2018 was IDR 75,550,000. The initial stock value of the MSI Medan Yellow Sugar is Rp. 22,875,000.

Table 35. Sugar KBA-1

Tgl	Saldo	Debit	Kredit	Saldo
01/05/18	19.200.000			19.200.000
02/05/18				
03/05/18				
04/05/18				
05/05/18				
06/05/18				
07/05/18				
08/05/18				
09/05/18				
10/05/18				
11/05/18				
12/05/18				
13/05/18				
14/05/18				
15/05/18				
16/05/18				
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18/05/18				
19/05/18				
20/05/18				
21/05/18				
22/05/18				
23/05/18				
24/05/18				
25/05/18				
26/05/18				
27/05/18				
28/05/18				
29/05/18				
30/05/18				
31/05/18				
Jumlah				

Source: Processed Data

Based on the above data, the final stock value for KBA white sugar is IDR 6,808,042, for the total cost of goods sold of IDR 124,711,958 from all sales transactions. The total purchase of white KBA sugar during May 2018 was Rp. 112,320,000. The initial stock value of white KBA sugar is Rp. 19,200,000.

Tabel 36. Sugar KBA-2

Tgl	Saldo	Debit	Kredit	Saldo
01/05/18	1.217.779			1.217.779
02/05/18				
03/05/18				
04/05/18				
05/05/18				
06/05/18				
07/05/18				
08/05/18				
09/05/18				
10/05/18				
11/05/18				
12/05/18				
13/05/18				
14/05/18				
15/05/18				
16/05/18				
17/05/18				
18/05/18				
19/05/18				
20/05/18				
21/05/18				
22/05/18				
23/05/18				
24/05/18				
25/05/18				
26/05/18				
27/05/18				
28/05/18				
29/05/18				
30/05/18				
31/05/18				
Jumlah				

Source: Processed Data

Based on the above data, the final stock value for yellow KBA sugar is Rp 1,217,779, for the total cost of goods sold of Rp 84,882,221 from all sales transactions. The total purchase of KBA yellow sugar during the month of May 2018 it was IDR 67,565,000. The initial stock value of the KBA yellow sugar is Rp. 18,525,000.

Tabel 37. Sugar GMP-1

Tgl	Saldo	Debit	Kredit	Saldo
01/05/18	29.700.000			29.700.000
02/05/18				
03/05/18				
04/05/18				
05/05/18				
06/05/18				
07/05/18				
08/05/18				
09/05/18				
10/05/18				
11/05/18				
12/05/18				
13/05/18				
14/05/18				
15/05/18				
16/05/18				
17/05/18				
18/05/18				
19/05/18				
20/05/18				
21/05/18				
22/05/18				
23/05/18				
24/05/18				
25/05/18				
26/05/18				
27/05/18				
28/05/18				
29/05/18				
30/05/18				
31/05/18				
Jumlah				

Source: Processed Data

Based on the data above, the final stock value for GMP white sugar is Rp 6,886,743, for the total cost of goods sold at Rp 106,038,257 from all sales transactions. While the total purchase of GMP white sugar during May 2018 was Rp. 83,225,000. The value of the initial stock of GMP white sugar was Rp. 29,700,000.

Table 38. Sugar GMP-2

KETERANGAN	FIFO	AVERAGE
Penjualan	Rp 4,120,220,000	Rp 4,120,220,000
Persediaan Awal	Rp 485,100,000	Rp 485,100,000
Pembelian	Rp 3,726,400,000	Rp 3,726,400,000
Tersedia untuk dijual	Rp 4,211,500,000	Rp 4,211,500,000
Persediaan Akhir	Rp 627,415,000	Rp 626,563,578
Harga Pokok Penjualan	Rp 3,584,085,000	Rp 3,584,936,422
Laba Kotor	Rp 536,135,000	Rp 535,283,578

Source: Processed Data

Based on the data above, the final stock value for GMP yellow sugar is IDR 1,471,252, for the total cost of goods sold is IDR 91,951,248 of all sales transactions. The total purchase of GMP yellow sugar during May 2018 was IDR 68,772,500. The initial stock value of GMP yellow sugar is Rp. 24,650,000.

Calculation of the Comparison of Core Cost of Rice and Sugar

In the *FIFO* method, the cost is charged to the cost of goods sold in accordance with the purchase order, starting from those purchased first. The remaining units in the final supply are the most recent units which are the last units purchased so the reported costs will be close to or equal to the replacement costs at the end of the period. The average method, the cost is charged to cost of goods sold according to the average cost per available unit for sale (Riswan et al, 2016).

Tabel 39. Rice

KETERANGAN	FIFO	AVERAGE
Persediaan Awal	Rp 485,100,000	Rp 485,100,000
Pembelian	Rp 3,726,400,000	Rp 3,726,400,000
Tersedia untuk dijual	Rp 4,211,500,000	Rp 4,211,500,000
Persediaan Akhir	Rp 627,415,000	Rp 626,563,578
Harga Pokok Penjualan	Rp 3,584,085,000	Rp 3,584,936,422

Tabel 40. Sugar

KETERANGAN	FIFO	AVERAGE
Persediaan Awal	Rp 180,350,000	Rp 180,350,000
Pembelian	Rp 999,978,750	Rp 999,978,750
Tersedia untuk dijual	Rp 1,180,328,750	Rp 1,180,328,750
Persediaan Akhir	Rp 66,476,750	Rp 66,318,994
Harga Pokok Penjualan	Rp 1,113,852,000	Rp 1,114,009,756

Comparison of Gross Profit for Rice and Sugar

Islahuzzaman Profit, (2012: 239), gross profit is the difference in net income from sales and cost of sold goods. Another term for laba kotor is also called *Gross Margin* or *Gross Profit on Sales*.

Tabel 41. Rice

KETERANGAN	FIFO	AVERAGE
Penjualan	Rp 4,120,220,000	Rp 4,120,220,000
Persediaan Awal	Rp 485,100,000	Rp 485,100,000
Pembelian	Rp 3,726,400,000	Rp 3,726,400,000
Tersedia untuk dijual	Rp 4,211,500,000	Rp 4,211,500,000
Persediaan Akhir	Rp 627,415,000	Rp 626,563,578
Harga Pokok Penjualan	Rp 3,584,085,000	Rp 3,584,936,422
Laba Kotor	Rp 536,135,000	Rp 535,283,578

Tabel 42. Sugar

KETERANGAN	FIFO	AVERAGE
Penjualan	Rp 1,420,895,000	Rp 1,420,895,000
Persediaan Awal	Rp 180,350,000	Rp 180,350,000
Pembelian	Rp 999,978,750	Rp 999,978,750
Tersedia untuk dijual	Rp 1,180,328,750	Rp 1,180,328,750
Persediaan Akhir	Rp 66,476,750	Rp 66,318,994
Harga Pokok Penjualan	Rp 1,113,852,000	Rp 1,114,009,756
Laba Kotor	Rp 307,043,000	Rp 306,885,244

CONCLUSIONS AND SUGGESTIONS

Based on the results of the analysis and discussion carried out in the previous chapter, the researcher draws some conclusions as follows:

1. Based on the calculation of the final stock value of rice using the *FIFO* method of Rp. 627,415,000 while those using the *Average* method are Rp. 626,563,578. The final stock value using the *FIFO* method is greater than using the *Average* method.
2. Based on the calculation of the final sugar stock value using the *FIFO* method of IDR 66,476,750 while the one using the leverage method is IDR 66,318,994. The final stock value using the *FIFO* method is greater than using the *Average* method.
3. Based on the calculation of the cost of goods sold, the rice using the *FIFO* method is Rp. 3,584,085,000 while the one using the *Average* method is Rp. 3,584,936,422. The value of cost of goods sold using the *FIFO* method is smaller than using the *Average* method.
4. Based on the calculation of the cost of goods sold for sugar using the *FIFO* method is Rp 1,113,852,000 while those using the *Average* method amount to Rp 1,114,009,756. The value of cost of goods sold using the *FIFO* method is smaller than using the *Average* method.
5. Based on the calculation of the gross profit of rice using the *FIFO* method of Rp 536,135,000 while the *Average* method is Rp 535,283,578. Then the value of city profits using the *FIFO* method is greater than using the method of browser.
6. Based on the calculation of sugar gross profit using the *FIFO* method amounting to Rp 307,043,000 while the *Average* method is

Rp 306,885,244. Then the value of gross profit using the *FIFO* method is greater in value than using the *Average* method.

7. Based on the calculations that have been done, it is obtained that by using the *FIFO* method, XYZ stores will get a better profit compared to using the *Average* method

This research provides suggestions that can be input for various parties as follows:

1. For the next researcher, you should be able to examine the factors that influence the company in determining the stock assessment method.
2. For the store in question can know how much profit is obtained when using the *FIFO* method to point out stock value

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