

DATA IN SUMMARY | ACCOUNTING, MANAGEMENT, BUSINESS, ECONOMICS

Implementation of Digitalization of Bookkeeping Based on Accounting Computerization: Case Study From Village-Owned Enterprise (BUMDES) Ngargoretno, Salaman, Magelang, Indonesia

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ABSTRACT

This study examined the implementation of Microsoft Excel-based bookkeeping digitalization in the Ngargoretno Village-Owned Enterprise (BUMDes) for the 2023 period. The sample used in this study was the Ngargoretno BUMDes, which oversees seven small and medium enterprises (SMEs): Kopi Merah, Kopi Liar, Kopi Arabica, Gula Semut, Teh Sangit, Jahe Instan, and Kunyit Instan. This research employed a qualitative descriptive approach with a case study focus. The findings indicate that the digitalization of bookkeeping has positively impacted the quality of financial recordkeeping within Ngargoretno BUMDes. The new system has made the bookkeeping process more informative and has significantly helped the BUMDes management overcome the challenges previously faced.

Keywords: BUMDes, Bookkeeping, Bookkeeping Digitalization.

I. Introduction

The success of village development plays a significant role in national development, as it reflects equitable progress down to the most minor administrative units of the country (Salihin, 2021). Village development efforts are crucial for achieving national development goals because they help ensure the fair distribution of development outcomes that reach all segments of society, particularly those in rural areas (Salihin, 2021). Given Indonesia's large number of villages, the government cannot continuously supervise and regulate all economic activities in rural areas. As a result, the government has granted villages the authority to manage their affairs, as stipulated in Law Number 6 of 2014 concerning Villages (Pradini, 2020). This law encourages villages to establish village-owned enterprises (BUMDes) to fulfill community needs and fundamental necessities and to utilize untapped village resources while also developing human resources capable of managing these enterprises as assets to support the local economy. The establishment of BUMDes serves as a platform to foster community creativity and optimize village resources through various business activities. Ultimately, this can increase the village's original income and support economic and developmental growth at the village level (Arindhawati & Utami, 2020).



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Based on data from the Ministry of Villages, Development of Disadvantaged Regions, and Transmigration (bumdes.kemendesa.go.id), as of March 2023, only 12,945 Village-Owned Enterprises (BUMDes) have officially obtained legal status. Meanwhile, approximately 35,000 BUMDes are still in the process of registration. Central Java alone has 7,534 BUMDes, with 346 located in Magelang Regency. Based on this data, the author will discuss a Village-Owned Enterprise in Central Java, specifically in Ngargoretno Village, Magelang Regency.

Table 1. Allocation of BUMDES in Central Java Province, Indonesia

Regency	Number
Banjarnegara	262
Banyumas	300
Batang	218
Blora	267
Boyolali	219
Brebes	292
Cilacap	269
Demak	211
Grobogan	273
Jepara	184
Karanganyar	160
Kebumen	449
Kendal	254
Klaten	391
Kudus	111
Magelang	355
Pati	401
Pekalongan	247
Pemalang	211
Purbalingga	222
Purworejo	465
Rembang	253
Semarang	202
Sragen	196
Sukoharjo	145
Tegal	265
Temanggung	258
Wonogiri	251
Wonosobo	203
Total	7534

Source: www.bumdes.kemendesa.go.id

Ngargoretno Village is rich in natural resources, including coffee plantations, tea gardens, beekeeping, and Etawa goat farming. The village's local products include wild coffee, red coffee, wild honey, Etawa goat milk, sangit tea, ant sugar, and ready-to-brew herbal drinks. To manage these abundant resources and economic activities effectively, a Village-Owned Enterprise (BUMDes) is essential. However, BUMDes Ngargoretno continues to face challenges in bookkeeping. These challenges stem from several factors, such as a limited understanding of accounting principles, a shortage of skilled human resources, and the lack of bookkeeping training for BUMDes administrators. These issues became particularly evident during the implementation of the Merdeka Belajar Kampus Merdeka – Membangun Desa program.



II. Literature Review and Hypothesis Development

2.1. Stewardship Theory

Stewardship Theory is a branch of accounting theory that describes a condition in which management is primarily motivated to achieve shared goals rather than pursue personal interests (Efendi et al., 2022). Within this framework, managers act as stewards—individuals entrusted with managing an organization's resources for the collective benefit. In the case of BUMDes Ngargoretno, the administrators serve as stewards responsible for managing village resources on behalf of the Ngargoretno Village community, who act as the principals or resource owners. The relationship between the stewards (BUMDes administrators) and the principals (village community) is built on mutual trust and a shared commitment to the organization's goals (Nuur et al., 2024).

2.2. Bookkeeping

Bookkeeping involves the process of recording, managing, and reporting financial data of an entity, be it a company, organization, or individual. The systematic documentation of all economic activities related to accounting processes is the foundation for financial reporting and accountability to relevant stakeholders (Wardiningsih, Wahyuningsih, & Sugianto, 2020). Bookkeeping is crucial in monitoring the progress and growth of any entity engaged in economic activities. An entity's continuous development and expansion reflect its success in achieving sustainable operations (Azman et al., 2021).

2.3. Village-Owned Enterprises (BUMDes)

Village-Owned Enterprises (BUMDes) are business entities established and managed by villages to enhance the local economy by utilizing each village's unique potential and resources (Sururama & Masdar, 2020). Since every village possesses distinct characteristics and resources, the local community is best positioned to understand and manage them effectively. A one-size-fits-all approach by the government is not suitable for addressing the diverse needs of each village. Therefore, BUMDes were created to empower villages through self-managed economic initiatives. The active participation of all community members in managing and developing BUMDes is highly encouraged. The continuous growth and development of BUMDes serve as indicators of improving community welfare.

2.4. Micro, Small, and Medium Enterprises (MSMEs)

Micro, Small, and Medium Enterprises (MSMEs) are business activities undertaken by individuals or business entities that significantly enhance communities' economic well-being (Aliyah, 2022). MSMEs contribute to economic development by utilizing various potentials across agriculture, fisheries, manufacturing, services, trade, banking, and more. These enterprises generate employment opportunities, help reduce poverty, and promote equitable economic growth.

2.5. Profit

Profit is a crucial piece of information for both internal and external organizational meetings. It serves as a tool to evaluate management performance and as a form of accountability for the assets entrusted to them (Cerniati & Hassan, 2020). Ultimately, every organization shares a common goal: to achieve profitability.



2.6. Digitalization

Digitalization originates from the word digital, which, according to the Indonesian Dictionary (KBBI), refers to something related to numbers used in calculations and numbering systems (Sinarwati et al., 2023). Digitalization involves transforming information from analog to digital format, making it easier to use, manage, store, and distribute. It replaces manual, labor-intensive operations with more automated and advanced systems managed through computers (Rika et al., 2023). As BUMDes is a profit-oriented entrepreneurial institution, implementing digitalization is essential to streamline the bookkeeping process.

2.7. Microsoft Excel

Microsoft Excel is among the most widely used spreadsheet applications in academic and professional settings. It offers a range of features that support data processing, the creation of charts and tables, and statistical analysis (Firdaus, 2024). The use of Excel simplifies tasks related to data management and statistical computations.

III. Research Method

This study employs a case study research method with a qualitative descriptive approach. The case study method collects data from natural settings (not artificially created), involving activities such as distributing questionnaires, conducting structured interviews, and other data collection techniques. Descriptive research analyzes various societal issues, prevailing norms, specific situations, and the relationships between activities, attitudes, perspectives, ongoing processes, and their effects.

3.1. Time and Place of Research

This research was conducted in 2023 at the Village-Owned Enterprise (BUMDes) Ngargoretno, in Salaman District, Magelang Regency, Central Java.

3.2. Data Collection Techniques

This study employs secondary data collection techniques from field research and literature reviews.

3.3. Data Analysis Techniques

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

1. Field Research:

This technique involves collecting relevant data and information related to the topic of discussion, specifically the bookkeeping of incoming and outgoing goods at BUMDes Ngargoretno. The data is obtained through interviews with BUMDes representatives, including discussions about the challenges faced in the bookkeeping process and the type of assistance the researcher can offer.

2. Library Research:

This technique involves gathering data and information from various reading materials, both online and offline, including scientific journals, books, and previous theses that are relevant to the research topic.



IV. Results and Discussion

4.1. The Process of Planning Bookkeeping Creation

NO	JENIS BARANG : BUAH	Tanggal Masuk Brg	Jml (Kg)	Jml Dlm Kemasan (Pcs)	Tanggal Keluar Brg		Jml (Pcs)	KET	/ /
					1. Kepi merah	2. Kepi merah R			
1	Kepi merah.	2 kg	3.60.000	31	1. Kepi merah	1 kg	30 kg	100.000	32
2	Kepi merah R	3 kg	3.60.000	31	2. Kepi merah R	1 kg	30 kg	100.000	32
3	Kepi merah	5 kg	3.60.000	31	3. Kepi merah	1 kg	30 kg	80.000	32
4	Kepi merah	7 kg	3.60.000	31	4. Kepi merah	1 kg	30 kg	100.000	32
5	Kepi merah	10 kg	3.60.000	31	5. Kepi merah	1 kg	30 kg	100.000	32
6	Kepi merah	12 kg	3.60.000	31	6. Kepi merah	1 kg	30 kg	100.000	32
7	Kepi merah	15 kg	3.60.000	31	7. Kepi merah	1 kg	30 kg	80.000	32
8	Kepi merah	18 kg	3.60.000	31	8. Kepi merah	1 kg	30 kg	100.000	32
9	Kepi merah	20 kg	3.60.000	31	9. Kepi merah	1 kg	30 kg	100.000	32
10	Kepi merah	25 kg	3.60.000	31	10. Kepi merah	1 kg	30 kg	100.000	32
11	Kepi merah	30 kg	3.60.000	31	11. Kepi merah	1 kg	30 kg	100.000	32
12	Kepi merah	35 kg	3.60.000	31	12. Kepi merah	1 kg	30 kg	100.000	32
13	Kepi merah	40 kg	3.60.000	31	13. Kepi merah	1 kg	30 kg	100.000	32
14	Kepi merah	45 kg	3.60.000	31	14. Kepi merah	1 kg	30 kg	100.000	32
15	Kepi merah	50 kg	3.60.000	31	15. Kepi merah	1 kg	30 kg	100.000	32
16	Kepi merah	55 kg	3.60.000	31	16. Kepi merah	1 kg	30 kg	100.000	32
17	Kepi merah	60 kg	3.60.000	31	17. Kepi merah	1 kg	30 kg	100.000	32
18	Kepi merah	65 kg	3.60.000	31	18. Kepi merah	1 kg	30 kg	100.000	32
19	Kepi merah	70 kg	3.60.000	31	19. Kepi merah	1 kg	30 kg	100.000	32
20	Kepi merah	75 kg	3.60.000	31	20. Kepi merah	1 kg	30 kg	100.000	32
21	Kepi merah	80 kg	3.60.000	31	21. Kepi merah	1 kg	30 kg	100.000	32
22	Kepi merah	85 kg	3.60.000	31	22. Kepi merah	1 kg	30 kg	100.000	32
23	Kepi merah	90 kg	3.60.000	31	23. Kepi merah	1 kg	30 kg	100.000	32
24	Kepi merah	95 kg	3.60.000	31	24. Kepi merah	1 kg	30 kg	100.000	32
25	Kepi merah	100 kg	3.60.000	31	25. Kepi merah	1 kg	30 kg	100.000	32
26	Kepi merah	105 kg	3.60.000	31	26. Kepi merah	1 kg	30 kg	100.000	32
27	Kepi merah	110 kg	3.60.000	31	27. Kepi merah	1 kg	30 kg	100.000	32
28	Kepi merah	115 kg	3.60.000	31	28. Kepi merah	1 kg	30 kg	100.000	32
29	Kepi merah	120 kg	3.60.000	31	29. Kepi merah	1 kg	30 kg	100.000	32
30	Kepi merah	125 kg	3.60.000	31	30. Kepi merah	1 kg	30 kg	100.000	32
31	Kepi merah	130 kg	3.60.000	31	31. Kepi merah	1 kg	30 kg	100.000	32
32	Kepi merah	135 kg	3.60.000	31	33. Kepi merah	1 kg	30 kg	100.000	32
33	Kepi merah	140 kg	3.60.000	31	34. Kepi merah	1 kg	30 kg	100.000	32
34	Kepi merah	145 kg	3.60.000	31	35. Kepi merah	1 kg	30 kg	100.000	32
35	Kepi merah	150 kg	3.60.000	31	36. Kepi merah	1 kg	30 kg	100.000	32
36	Kepi merah	155 kg	3.60.000	31	37. Kepi merah	1 kg	30 kg	100.000	32
37	Kepi merah	160 kg	3.60.000	31	38. Kepi merah	1 kg	30 kg	100.000	32
38	Kepi merah	165 kg	3.60.000	31	39. Kepi merah	1 kg	30 kg	100.000	32
39	Kepi merah	170 kg	3.60.000	31	40. Kepi merah	1 kg	30 kg	100.000	32
40	Kepi merah	175 kg	3.60.000	31	41. Kepi merah	1 kg	30 kg	100.000	32
41	Kepi merah	180 kg	3.60.000	31	42. Kepi merah	1 kg	30 kg	100.000	32
42	Kepi merah	185 kg	3.60.000	31	43. Kepi merah	1 kg	30 kg	100.000	32
43	Kepi merah	190 kg	3.60.000	31	44. Kepi merah	1 kg	30 kg	100.000	32
44	Kepi merah	195 kg	3.60.000	31	45. Kepi merah	1 kg	30 kg	100.000	32
45	Kepi merah	200 kg	3.60.000	31	46. Kepi merah	1 kg	30 kg	100.000	32
46	Kepi merah	205 kg	3.60.000	31	47. Kepi merah	1 kg	30 kg	100.000	32
47	Kepi merah	210 kg	3.60.000	31	48. Kepi merah	1 kg	30 kg	100.000	32
48	Kepi merah	215 kg	3.60.000	31	49. Kepi merah	1 kg	30 kg	100.000	32
49	Kepi merah	220 kg	3.60.000	31	50. Kepi merah	1 kg	30 kg	100.000	32
50	Kepi merah	225 kg	3.60.000	31	51. Kepi merah	1 kg	30 kg	100.000	32
51	Kepi merah	230 kg	3.60.000	31	52. Kepi merah	1 kg	30 kg	100.000	32
52	Kepi merah	235 kg	3.60.000	31	53. Kepi merah	1 kg	30 kg	100.000	32
53	Kepi merah	240 kg	3.60.000	31	54. Kepi merah	1 kg	30 kg	100.000	32
54	Kepi merah	245 kg	3.60.000	31	55. Kepi merah	1 kg	30 kg	100.000	32
55	Kepi merah	250 kg	3.60.000	31	56. Kepi merah	1 kg	30 kg	100.000	32
56	Kepi merah	255 kg	3.60.000	31	57. Kepi merah	1 kg	30 kg	100.000	32
57	Kepi merah	260 kg	3.60.000	31	58. Kepi merah	1 kg	30 kg	100.000	32
58	Kepi merah	265 kg	3.60.000	31	59. Kepi merah	1 kg	30 kg	100.000	32
59	Kepi merah	270 kg	3.60.000	31	60. Kepi merah	1 kg	30 kg	100.000	32
60	Kepi merah	275 kg	3.60.000	31	61. Kepi merah	1 kg	30 kg	100.000	32
61	Kepi merah	280 kg	3.60.000	31	62. Kepi merah	1 kg	30 kg	100.000	32
62	Kepi merah	285 kg	3.60.000	31	63. Kepi merah	1 kg	30 kg	100.000	32
63	Kepi merah	290 kg	3.60.000	31	64. Kepi merah	1 kg	30 kg	100.000	32
64	Kepi merah	295 kg	3.60.000	31	65. Kepi merah	1 kg	30 kg	100.000	32
65	Kepi merah	300 kg	3.60.000	31	66. Kepi merah	1 kg	30 kg	100.000	32
66	Kepi merah	305 kg	3.60.000	31	67. Kepi merah	1 kg	30 kg	100.000	32
67	Kepi merah	310 kg	3.60.000	31	68. Kepi merah	1 kg	30 kg	100.000	32
68	Kepi merah	315 kg	3.60.000	31	69. Kepi merah	1 kg	30 kg	100.000	32
69	Kepi merah	320 kg	3.60.000	31	70. Kepi merah	1 kg	30 kg	100.000	32
70	Kepi merah	325 kg	3.60.000	31	71. Kepi merah	1 kg	30 kg	100.000	32
71	Kepi merah	330 kg	3.60.000	31	72. Kepi merah	1 kg	30 kg	100.000	32
72	Kepi merah	335 kg	3.60.000	31	73. Kepi merah	1 kg	30 kg	100.000	32
73	Kepi merah	340 kg	3.60.000	31	74. Kepi merah	1 kg	30 kg	100.000	32
74	Kepi merah	345 kg	3.60.000	31	75. Kepi merah	1 kg	30 kg	100.000	32
75	Kepi merah	350 kg	3.60.000	31	76. Kepi merah	1 kg	30 kg	100.000	32
76	Kepi merah	355 kg	3.60.000	31	77. Kepi merah	1 kg	30 kg	100.000	32
77	Kepi merah	360 kg	3.60.000	31	78. Kepi merah	1 kg	30 kg	100.000	32
78	Kepi merah	365 kg	3.60.000	31	79. Kepi merah	1 kg	30 kg	100.000	32
79	Kepi merah	370 kg	3.60.000	31	80. Kepi merah	1 kg	30 kg	100.000	32
80	Kepi merah	375 kg	3.60.000	31	81. Kepi merah	1 kg	30 kg	100.000	32
81	Kepi merah	380 kg	3.60.000	31	82. Kepi merah	1 kg	30 kg	100.000	32
82	Kepi merah	385 kg	3.60.000	31	83. Kepi merah	1 kg	30 kg	100.000	32
83	Kepi merah	390 kg	3.60.000	31	84. Kepi merah	1 kg	30 kg	100.000	32
84	Kepi merah	395 kg	3.60.000	31	85. Kepi merah	1 kg	30 kg	100.000	32
85	Kepi merah	400 kg	3.60.000	31	86. Kepi merah	1 kg	30 kg	100.000	32
86	Kepi merah	405 kg	3.60.000	31	87. Kepi merah	1 kg	30 kg	100.000	32
87	Kepi merah	410 kg	3.60.000	31	88. Kepi merah	1 kg	30 kg	100.000	32
88	Kepi merah	415 kg	3.60.000	31	89. Kepi merah	1 kg	30 kg	100.000	32
89	Kepi merah	420 kg	3.60.000	31	90. Kepi merah	1 kg	30 kg	100.000	32
90	Kepi merah	425 kg	3.60.000	31	91. Kepi merah	1 kg	30 kg	100.000	32
91	Kepi merah	430 kg	3.60.000	31	92. Kepi merah	1 kg	30 kg	100.000	32
92	Kepi merah	435 kg	3.60.000	31	93. Kepi merah	1 kg	30 kg	100.000	32
93	Kepi merah	440 kg	3.60.000	31	94. Kepi merah	1 kg	30 kg	100.000	32
94	Kepi merah	445 kg	3.60.000	31	95. Kepi merah	1 kg	30 kg	100.000	32
95	Kepi merah	450 kg	3.60.000	31	96. Kepi merah	1 kg	30 kg	100.000	32
96	Kepi merah	455 kg	3.60.000	31	97. Kepi merah	1 kg	30 kg	100.000	32
97	Kepi merah	460 kg	3.60.000	31	98. Kepi merah	1 kg	30 kg	100.000	32
98	Kepi merah	465 kg	3.60.000	31	99. Kepi merah	1 kg	30 kg	100.000	32
99	Kepi merah	470 kg	3.60.000	31	100. Kepi merah	1 kg	30 kg	100.000	32
100	Kepi merah	475 kg	3.60.000	31					

Figure 1. Manual Bookkeeping of BUMDes Ngargoretno

Source: UMKM Division of BUMDes Ngargoretno

Pembuatan pembagian Keuntungan	
Keuntungan pada bulan terakhir	-
Kulalon Fopi Merah	-
Kulalon Fopi Liar	-
Kulalon Fopi Arabica	-
Kulalon Gula Semut	-
Kulalon Teh Sari	-
Kulalon Jape Instan	-
Kulalon Kunyit Instan	-
Sisa setelah Kulalon	-
Pemasukan BUMDES (30%).	-

Figure 2. Bookkeeping Design

4.2. Creation of Incoming and Outgoing Goods Bookkeeping For

Pembukuan Persediaan							
Bulan : Agustus	Tgl	Nama Barang	Barang Masuk			Barang Keluar	
			Jumlah	Harga	Total	Jumlah	Harga
	1	Kopi Merah	3 kg	Rp 120,000	Rp 360,000		
		Kopi Merah				1 kg	Rp 180,000 Rp 180,000
	4	Kopi Merah				1 kg	Rp 180,000 Rp 180,000
		Kopi Arabica				1 kg	Rp 250,000 Rp 250,000
	7	Kopi Merah				1 kg	Rp 180,000 Rp 180,000
	8	Kopi Merah	3 kg	Rp 120,000	Rp 360,000		
	10	Kopi Arabica				1 kg	Rp 250,000 Rp 250,000
		Kopi Liar				1 kg	Rp 180,000 Rp 180,000
	12	Kopi Merah				1 kg	Rp 180,000 Rp 180,000
	14	Kopi Merah				1 kg	Rp 180,000 Rp 180,000
		Kopi Liar				1 kg	Rp 180,000 Rp 180,000
	18	Kopi Liar				1 kg	Rp 180,000 Rp 180,000
		Kopi Merah				1 kg	Rp 180,000 Rp 180,000
	19	Kopi Arabica				1 kg	Rp 250,000 Rp 250,000
	20	Kopi Arabica				1 kg	Rp 250,000 Rp 250,000
	22	Gula Semut				1 kg	Rp 50,000 Rp 50,000
	23	Kopi Merah				1 kg	Rp 180,000 Rp 180,000
	26	Kopi Merah	3 kg	Rp 120,000	Rp 360,000		
		Kopi Arabica	1 kg	Rp 200,000	Rp 200,000		
		Kopi Liar				1 kg	Rp 180,000 Rp 180,000
	27	Kopi Merah				1 kg	Rp 180,000 Rp 180,000
	29	Kopi Merah				1 kg	Rp 180,000 Rp 180,000
		Jahe				1 pcs	Rp 10,000 Rp 10,000
							Rp 1,280,000 Rp 3,400,000

Figure 3. Incoming and Outgoing Goods Bookkeeping Form

The creation of the incoming and outgoing goods bookkeeping form was based on the previous version; however, the new form features a more systematic recording method based on chronological dates, ensuring that bookkeeping is carried out sequentially. If there are no incoming goods on a particular date, the corresponding column is left blank, and the same applies to outgoing goods. This updated form includes dedicated columns for item names, with separate sections for incoming and outgoing goods. Each section contains additional columns for quantity, unit price, and total price (calculated by multiplying quantity by unit price). This format makes tracking the total number of goods received and dispatched easier, enabling readers to understand how the figures were calculated.

4.3. Creation of Stored Goods Bookkeeping Form

Rekap Sisa Barang Juli				
Kopi Merah	4 kg	Rp 120,000	Rp 480,000	
Kopi Arabica				
Kopi Liar				
Gula Semut	7 kg	Rp 45,000	Rp 315,000	
Jahe	1 kg	Rp 20,000	Rp 20,000	
Kunyit	1,4 kg	Rp 16,000	Rp 22,400	
				Rp 795,000
Rekap Barang Masuk				
Kopi Merah	9 kg	Rp 120,000	Rp 1,080,000	
Kopi Arabica	1 kg	Rp 200,000	Rp 200,000	
Kopi Liar				
Gula Semut				
Jahe				
Kunyit				Rp 1,280,000
Rekap Barang Keluar				
Kopi Merah	9 kg	Rp 180,000	Rp 1,620,000	
Kopi Arabica	4 kg	Rp 250,000	Rp 1,000,000	
Kopi Liar	4 kg	Rp 180,000	Rp 720,000	
Gula Semut	1 kg	Rp 50,000	Rp 50,000	
Teh Sangit				
Jahe	200 g	Rp 10,000	Rp 10,000	
Kunyit				Rp 3,400,000
Rekap Sisa Barang Agustus				
Kopi Merah	4 kg	Rp 120,000	Rp 480,000	
Kopi Arabica				
Kopi Liar				
Gula Semut	7 kg	Rp 45,000	Rp 315,000	
Jahe	1 kg	Rp 20,000	Rp 20,000	
Kunyit	1,4 kg	Rp 16,000	Rp 22,400	
				Rp 795,000

Figure 4. Stored Goods Bookkeeping Form



This form allows for the entry of information related to the recap of incoming goods from the previous month (end-of-month inventory), which serves as the initial stock for the current month. Additionally, it includes a recap of goods received during the current month from each UMKM that has deposited items, clearly showing the number of items added to the warehouse inventory during that period.

Similarly, a corresponding form for outgoing goods is prepared, containing the same type of information. However, this form is filled with data related to items that have been dispatched. After processing the bookkeeping data, a final inventory recap for the current month is generated, which will serve as the opening inventory for the following month.

4.4. Creation of Profit Distribution Bookkeeping Form for UMKM and BUMDes

Table 2. Profit Distribution Bookkeeping Form for UMKM and BUMDes

Profit Distribution Bookkeeping: AUGUST			
	Unit	Price	Per Product
			Total
Total profit			Rp 3,400,000
Profit from Red Coffee	9 kg	Rp 120,000	Rp 1,080,000
Profit from Wild Coffee	4 kg	Rp 120,000	Rp 480,000
Profit from Arabica Coffee	4 kg	Rp 200,000	Rp 800,000
Profit from Ant Sugar	1 kg	Rp 45,000	Rp 45,000
Profit from Sangit Tea			
Profit from Instant Ginger	1 pcs	Rp 20,000	Rp 20,000
Profit from Instant Turmeric			
Remaining profit			Rp 975,000
Bumdes income			Rp 292,500

At the end of each month, BUMDes manages the profits earned during that period. This process involves distributing the total profits to each UMKM that has supplied goods to BUMDes and allocating a portion of the profits to BUMDes itself. Each UMKM receives a share of the profit based on the quantity of goods sold, while BUMDes generates profit by applying a markup to the selling price of each product. From the profits generated through these price markups, 30% is allocated as profit for BUMDes, while the remaining 70% is reinvested as working capital for BUMDes development.

V. Conclusion

Based on the discussion above, the following conclusions can be drawn:

a. Digitalization of BUMDes Ngargoretno's Bookkeeping

The use of Microsoft Excel for bookkeeping has had a positive impact, making financial records easier to understand and more comprehensive. It enhances the clarity and accessibility of financial information.

b. Incoming and Outgoing Goods Form

This form effectively illustrates the monthly flow of goods. Analysis can identify periods with the highest and lowest volumes of incoming and outgoing goods for MSMEs (UMKM), serving as a valuable indicator for future inventory management decisions.

c. Inventory Management Form

The inventory form helps BUMDes organize and monitor stock levels in the warehouse. In cases of overstocking during a particular month, BUMDes can reduce incoming supplies to prevent overcrowding and preserve product quality.

d. Profit Distribution Form for UMKM and BUMDes



This form simplifies the calculation of profit sharing between UMKM and BUMDes. It also facilitates analysis to determine which UMKM may require additional guidance or support, contributing to more equitable and strategic business development.

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