CHAPTER 6
CONCLUSION

6.1. Conclusion

Based on the research conducted in this final project, a decision support system by using data mining as the method to extract information is developed. This decision support system is in the form of a simulation of the purchasing and selling activity in the company. The information that can be provided by the decision support system is as below.

a. The predicted amount of goods purchased to gain a specific amount of revenue;

b. The predicted timing when the goods purchased are sold;

c. The predicted final balance of the company funds after conducting purchasing activities.

Based on the information provided above, the decision support system can help the company owner to manage the cash flow so the situation where the funds needed for various operations in the company are insufficient can be avoided.

6.2. Suggestions

Based on the research conducted, there are suggestions for further research on this topic. In further research, a hands-on experience is more preferable since there are so many variables and conditions that are needed to be experienced in order to understand the real situation of the ramp business.

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Appendix 1. Data example

Saldo Awal Januari = 9,704,609 — Dana ditarik Rp 1.170.000 untuk belanja material

10,874,609

									Samalantan					
No	Tanggal	Saldo Awal	Qty Awal	Potongan %	Qty Akhir	Harga Buah	Harga per Kg	Fee Golongan	Ongkos Muat	Ongkos Angkut	Ongkos Bongkar	Biaya Lainnya	Total Biaya	Saldo Akhir
1	1/2/2020	9,704,609	111	7%	104	104,000	1,000	1,560					106,560	9,598,049
2	1/2/2020	9,598,049	112	7%	104	104,000	1,000	1,560					106,560	9,491,489
3	1/2/2020	9,491,489	853	7%	793	793,000	1,000	11,895					805,895	8,685,594
4	1/3/2020	8,685,594	111	7%	103	103,000	1,000	1,545					105,545	8,580,049
4	1/3/2020	8,580,049	145	7%	135	135,000	1,000	2,025					138,025	8,442,024
6	1/3/2020	8,442,024	1,085	7%	1,009	1,009,000	1,000	15,135					1,025,135	7,416,889
	1/3/2020	7,416,889						-	38,648	437,920	50,000	64,400	590,968	6,825,921
	TOTAL		2,417		2,248	2,248,000		33,720					2,878,688	
1	1/7/2020	10,303,521	211	7%	196	215,600	1,100	2,940					219,640	10,083,881
2	1/7/2020	10,083,881	1,413	6%	1,328	1,460,800	1,100	19,920					1,481,820	8,602,061
3	1/7/2020	8,602,061	955	7%	888	976,800	1,100	13,320					991,220	7,610,841
4	1/7/2020	7,610,841	259	7%	241	265,100	1,100	3,615					269,815	7,341,026
5	1/7/2020	7,341,026	500	7%	465	511,500	1,100	6,975					519,575	6,821,451
6	1/7/2020	6,821,451	124	7%	115	115,000	1,000	1,725					117,725	6,703,726
7	1/7/2020	6,703,726	377	7%	351	386,100	1,100	5,265					392,465	6,311,261
8	1/7/2020	6,311,261	2,450	7%	2,278	2,505,800	1,100	34,170					2,541,070	3,770,191
9	1/8/2020	3,770,191	107	7%	100	110,000	1,100	1,500					112,600	3,657,591
10	1/8/2020	3,657,591	781	7%	732	805,200	1,100	10,980					817,280	2,840,311
11	1/8/2020	2,840,311	17	7%	16	17,600	1,100	240					18,940	2,821,371
12	1/8/2020	2,821,371	574	7%	534	587,400	1,100	8,010					596,510	2,224,861
13	1/9/2020	2,224,861	191	7%	178	195,800	1,100	2,670					199,570	2,025,291
14	1/10/2020	2,025,291	1,611	7%	1,499	1,648,900	1,100	22,485					1,672,485	352,806