

CHAPTER 6

CONCLUSION AND SUGGESTION

6.1. Conclusion

Several conclusions is taken from the analysis of this project, they are:

1. Drive-in racking is the better rack to be installed in packaging warehouse of PT. Bernofarm based on its final capacity, 756 pallets, which is higher than the targeted number. Slip sheet which also meet capacity requirement is not chosen because it has a higher investment cost.
2. Cost to install the new system, or drive-in rack, including its need is \$10,135.45 with details of :

Product	Description	Price/unit	Qty	Total Price
1000mm deep drive-in	14,650mm long	\$87.65	45	\$3,944.25
1000mm deep drive-in	5,000mm long	\$56.00	18	\$1,008.00
Corner Protector	Safety features	\$11.45	16	\$183.20
Buffer Line	safety features	\$1,500.00	2	\$3,000.00
installation cost				\$2,000.00
Total Price				\$10,135.45

3. Drive-in rack as the selected system will have a maximized number of pallets could be stored and it will reduce the manpower in the cold storage activities, however manual handling still in the consideration of making this proposed system into a smooth handling process in the practice.

6.2. Suggestion

Some suggestions are given for PT. Bernofarm to help in its further development.

1. Use and improve FIFO method for packaging goods to minimize the need of inventory and help the enterprise in updating data.
2. Use a fixed pallet type to match the standard operational procedure.

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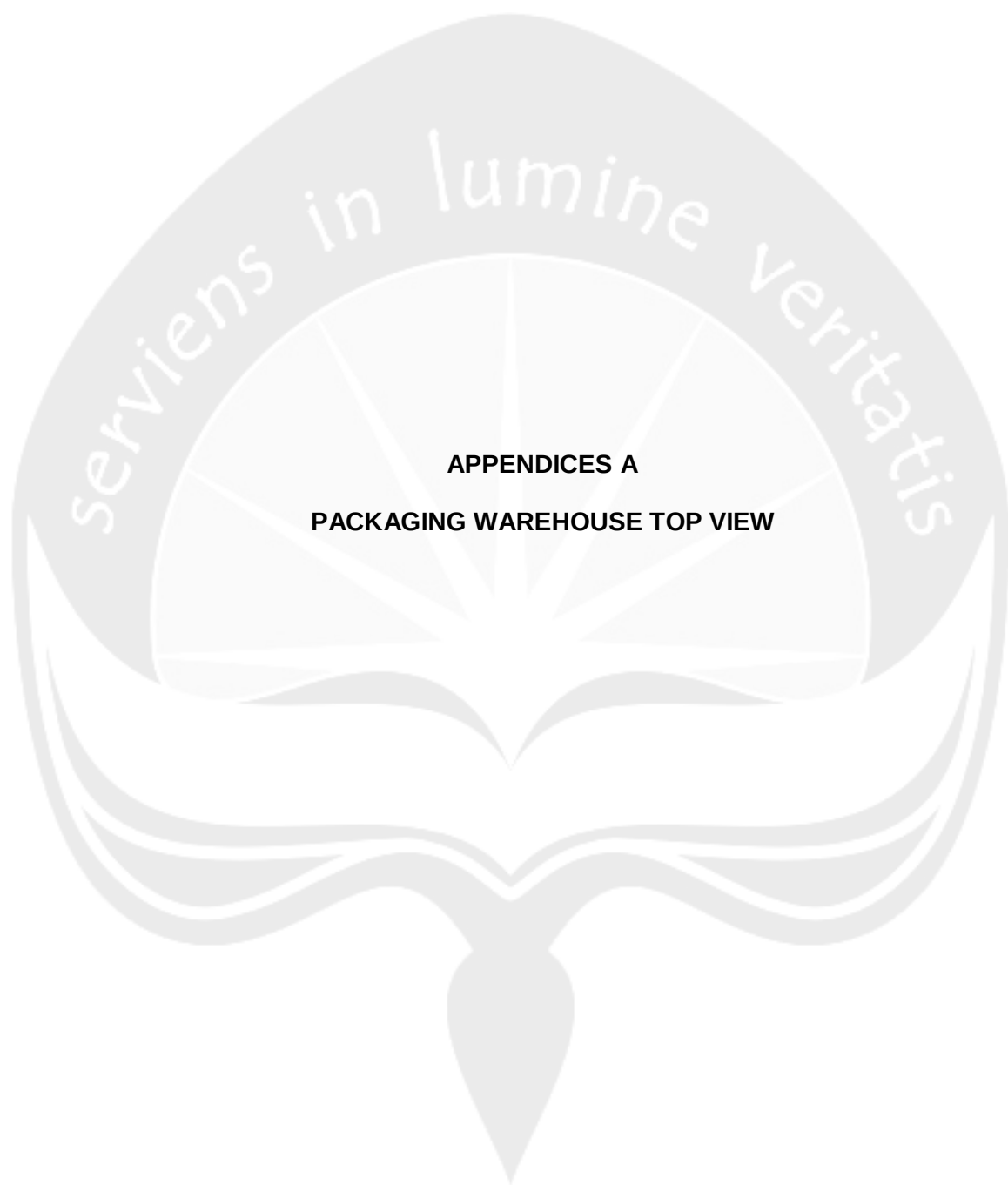
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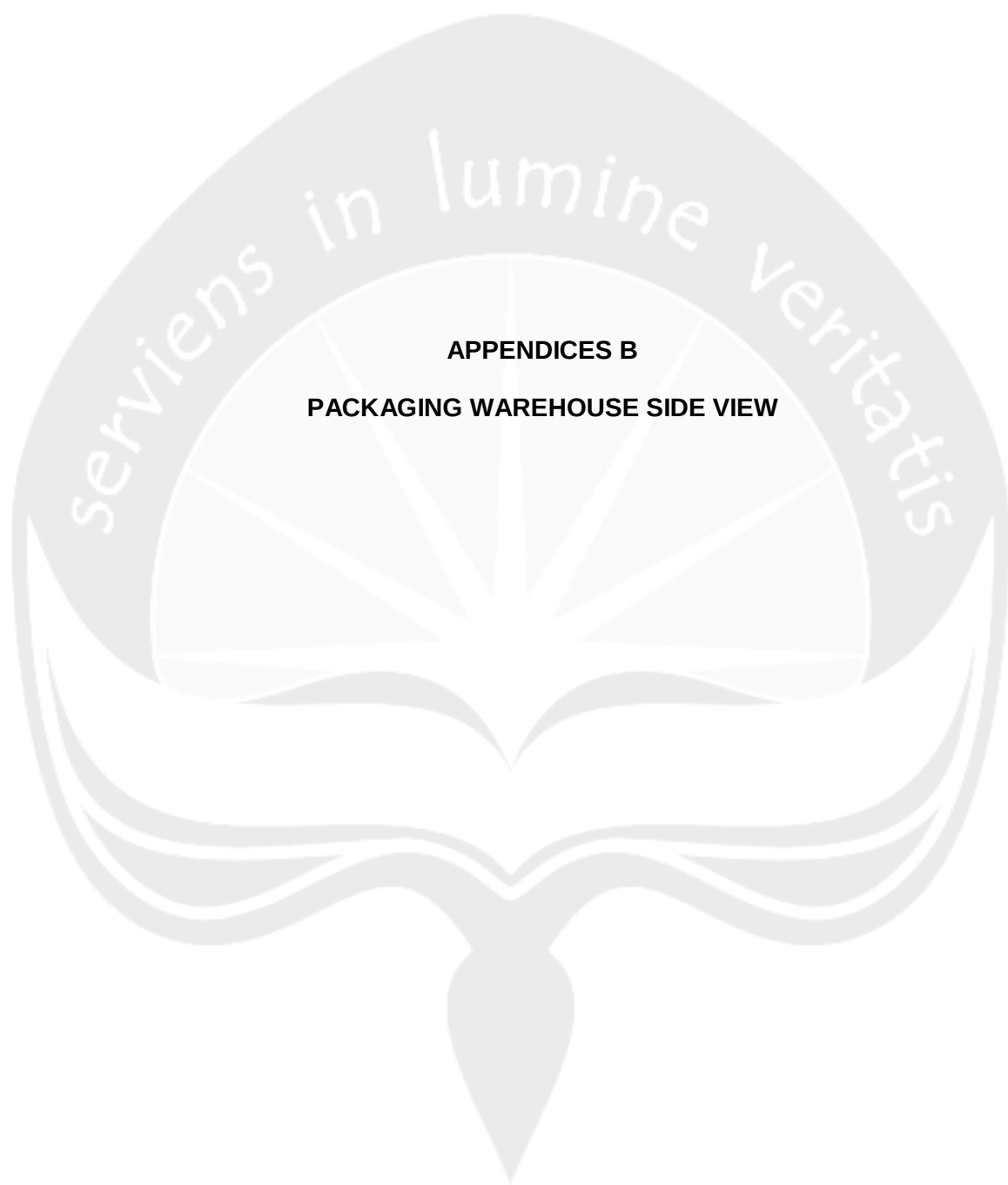
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APPENDICES A

PACKAGING WAREHOUSE TOP VIEW



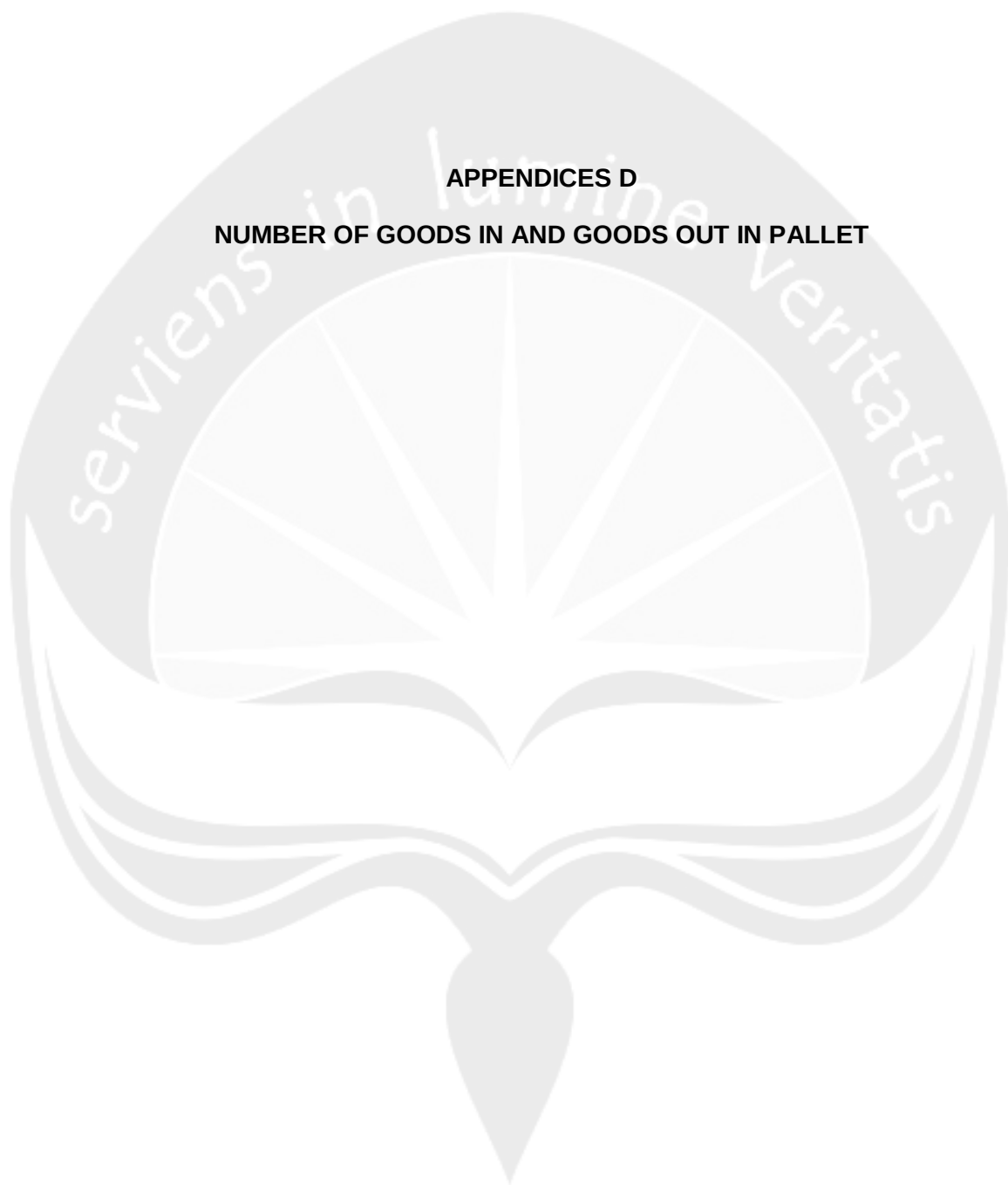
APPENDICES B

PACKAGING WAREHOUSE SIDE VIEW



APPENDICES D

NUMBER OF GOODS IN AND GOODS OUT IN PALLET



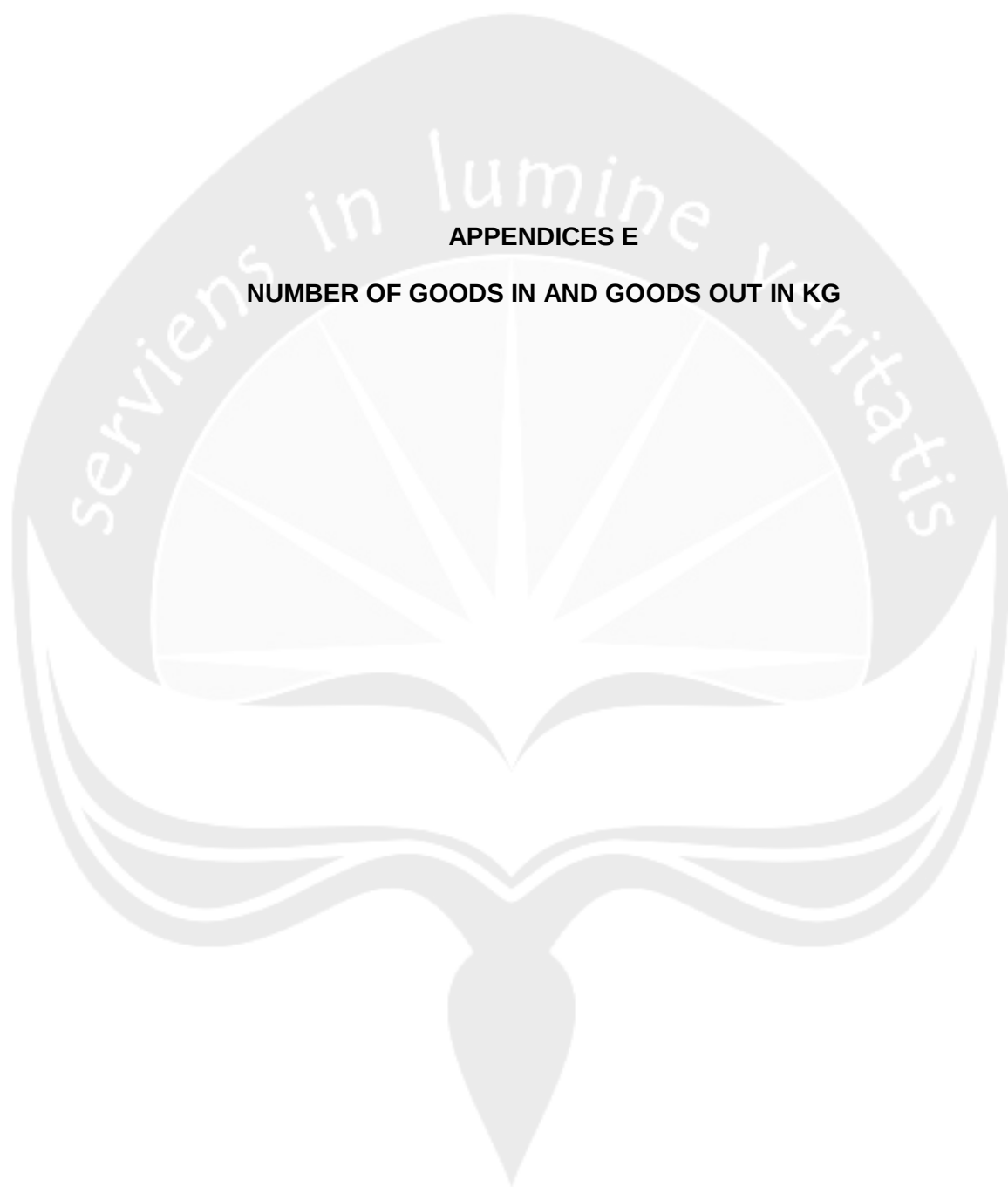
1. Vitalong C
2. Mefenamat Acid
3. Fenaren
4. Metformin
5. Biolysin Dragee
6. Amlodipine
7. Simvastatin
8. Ethambutol
9. Ciprofloxacin
10. Biogastron

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APPENDICES E

NUMBER OF GOODS IN AND GOODS OUT IN KG

VitalongC (in Kg)

Oct-13	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
terima																															
pakai							180														180								150		
Nov-13	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
terima			80		54																										
pakai			44						37					9						13	16								13		
Dec-13	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
terima																															
pakai																	34														
Jan-14	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
terima																															
pakai									35	40	34					30	30														
Feb-14	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28			
terima		224				145																									
pakai			117	150																											
Mar-14	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31
terima																															
pakai						52												70													
Apr-14	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	
terima	200		18																												
pakai		100																					89								

Mefenamat Acid (in Kg)

Oct-13	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
terima																								
pakai		180												125	90									
Nov-13	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
terima		228				260																		
pakai				130										44										
Dec-13	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
terima	241	232																						
pakai					100	100			78															
Jan-14	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
terima																								
pakai			37																					
Feb-14	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
terima																								
pakai			50	20																				
Mar-14	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
terima																								
pakai	125		90	100	125	125				91														
Apr-14	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
terima																								
pakai							125	125	120		94			102		100		102						

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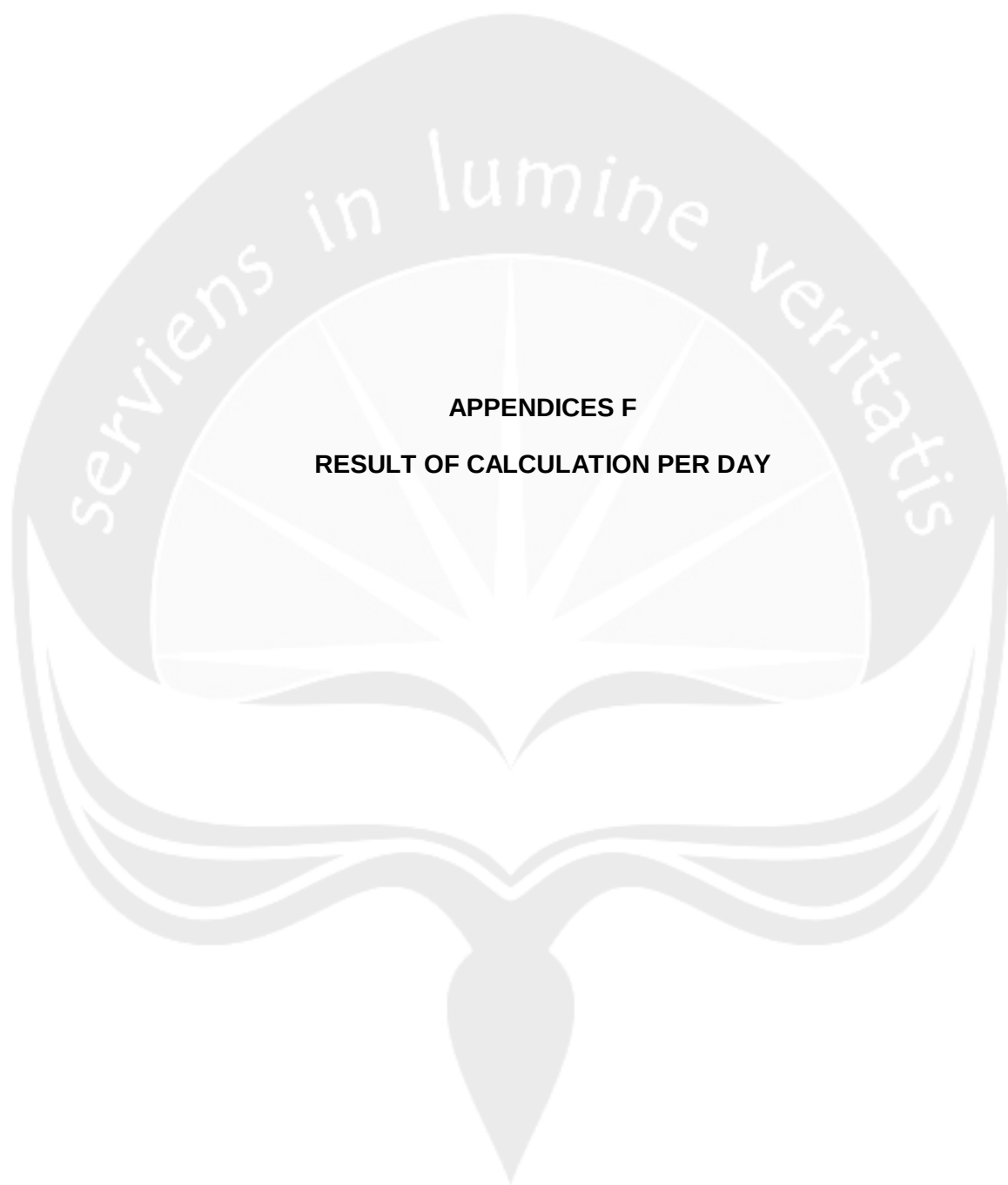
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APPENDICES F

RESULT OF CALCULATION PER DAY

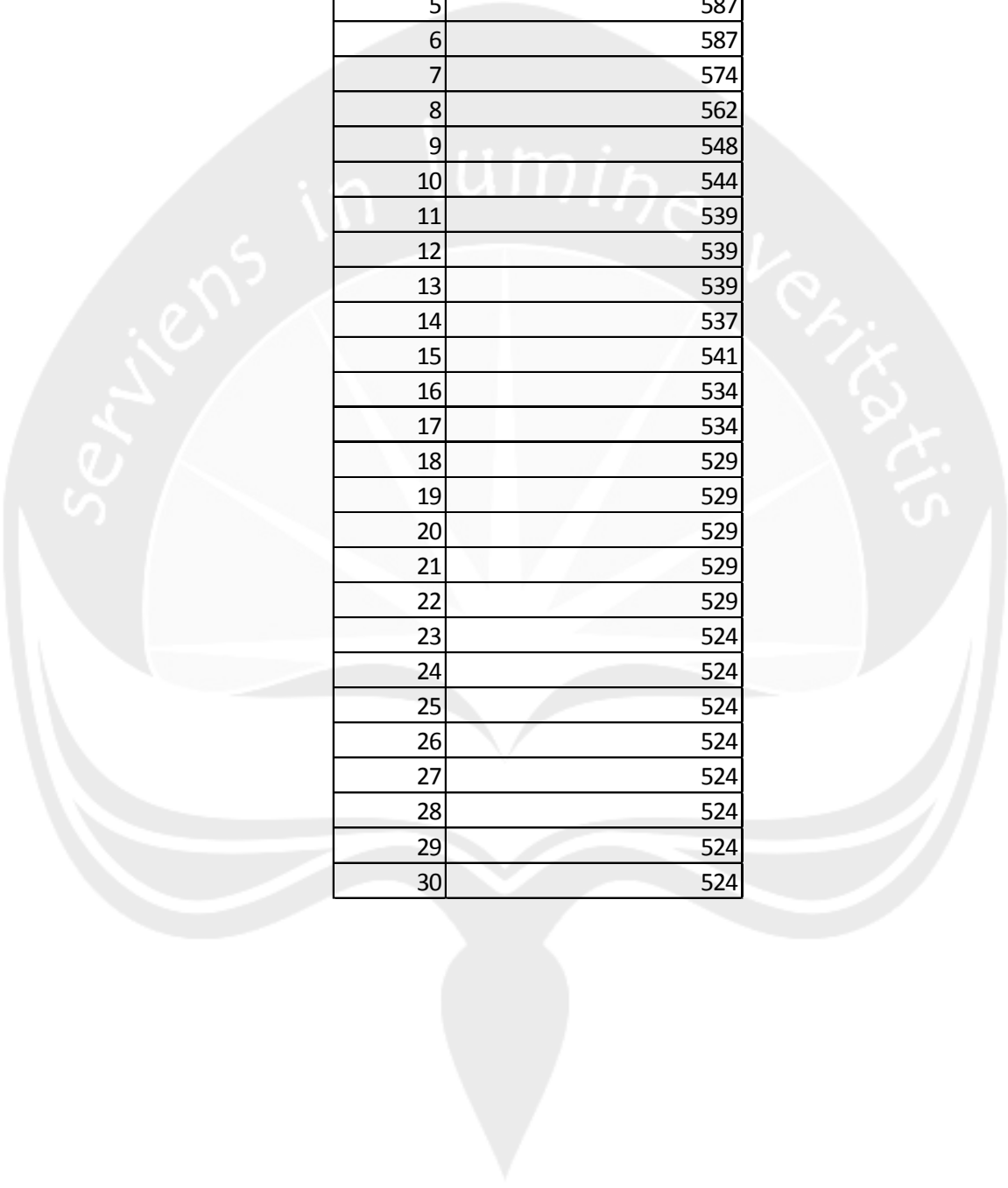
Stock Aggregate in Pallet

(maximum number of pallet stored is marked in orange)

Period	Stock Aggregate Oct 2013	Period	Stock Aggregate Nov 2013
1	457	1	549
2	506	2	551
3	547	3	543
4	547	4	514
5	575	5	516
6	575	6	550
7	579	7	541
8	577	8	539
9	577	9	532
10	565	10	532
11	564	11	531
12	562	12	529
13	562	13	525
14	570	14	520
15	565	15	520
16	563	16	520
17	563	17	520
18	563	18	520
19	563	19	514
20	563	20	513
21	554	21	513
22	552	22	513
23	560	23	513
24	560	24	513
25	560	25	513
26	560	26	513
27	560	27	513
28	560	28	513
29	553	29	513
30	553	30	513
31	553		

Period	Stock Aggregate Dec 2013	Period	Stock Aggregate Jan 2014
1	525	1	452
2	527	2	444
3	517	3	519
4	514	4	515
5	505	5	515
6	496	6	502
7	490	7	495
8	490	8	493
9	483	9	483
10	480	10	521
11	480	11	519
12	474	12	519
13	474	13	509
14	472	14	554
15	472	15	552
16	472	16	550
17	471	17	544
18	470	18	544
19	470	19	544
20	470	20	544
21	470	21	544
22	470	22	544
23	470	23	544
24	470	24	544
25	470	25	544
26	470	26	544
27	470	27	571
28	470	28	571
29	470	29	571
30	470	30	571
31	470	31	571

Period	Stock Aggregate Feb 2014	Period	Stock Aggregate Mar 2014
1	569	1	553
2	588	2	553
3	564	3	544
4	545	4	537
5	526	5	523
6	523	6	552
7	514	7	549
8	509	8	597
9	519	9	597
10	519	10	587
11	535	11	587
12	535	12	587
13	535	13	584
14	544	14	596
15	544	15	596
16	544	16	596
17	544	17	596
18	544	18	593
19	544	19	593
20	544	20	593
21	544	21	587
22	540	22	587
23	540	23	587
24	540	24	587
25	551	25	587
26	551	26	587
27	551	27	587
28	551	28	587
		29	587
		30	587
		31	587



Period	Stock Aggregate Apr 2014
1	595
2	588
3	588
4	589
5	587
6	587
7	574
8	562
9	548
10	544
11	539
12	539
13	539
14	537
15	541
16	534
17	534
18	529
19	529
20	529
21	529
22	529
23	524
24	524
25	524
26	524
27	524
28	524
29	524
30	524

APPENDICES G
ENGINEERING DRAWING OF ANALYSIS



APPENDICES H

SUPPLIERS DATA

