

Lampiran 1 Data Jumlah Permintaan dan Jumlah Keterlambatan Produk

Hari Kerja	Seat Cover		Karpét		Total Order		Jumlah Telat	
	Pre order	Prioritas order	Pre order	Prioritas order	Seat Cover	Karpét	Seat Cover	Karpét
24 Februari 2018	9	3	13	1	12	14	1	0
26 Februari 2018	11	1	10	3	12	13	2	2
27 Februari 2018	11	4	15	1	15	16	4	0
28 Februari 2018	11	0	15	3	11	18	0	5
1 Maret 2018	10	0	9	2	10	11	0	0
2 Maret 2018	9	2	16	3	11	19	0	5
3 Maret 2018	7	1	15	3	8	18	0	0
5 Maret 2018	15	3	11	4	18	15	7	0
6 Maret 2018	7	2	14	4	9	18	0	4
7 Maret 2018	12	3	12	2	15	14	5	2
8 Maret 2018	8	0	15	1	8	16	0	0
9 Maret 2018	10	1	15	2	11	17	1	0
10 Maret 2018	11	0	15	2	11	17	0	0
12 Maret 2018	14	3	13	4	17	17	6	0
13 Maret 2018	9	4	12	2	13	14	3	1
14 Maret 2018	9	2	11	1	11	12	0	0
15 Maret 2018	13	0	11	1	13	12	2	0
16 Maret 2018	9	4	12	1	13	13	3	0
17 Maret 2018	14	2	14	2	16	16	5	0
19 Maret 2018	12	3	14	4	15	18	5	7
20 Maret 2018	10	2	16	0	12	16	1	0
21 Maret 2018	11	1	17	0	12	17	2	0
22 Maret 2018	8	0	14	0	8	14	0	0
23 Maret 2018	10	2	14	1	12	15	2	0
24 Maret 2018	8	2	12	1	10	13	0	2
26 Maret 2018	10	3	14	1	13	15	3	4
27 Maret 2018	8	0	15	2	8	17	0	0
28 Maret 2018	11	0	14	2	11	16	0	2
29 Maret 2018	11	0	15	3	11	18	0	5
30 Maret 2018	9	1	16	3	10	19	0	8

Lampiran 2 Data Hasil Pengamatan Waktu Tiap Proses pada Proses Produksi *Seat Cover* dalam Satuan Menit.

Elemen kerja	Operator	Pengamatan ke														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Gambar Pola	A1	12,65	13,38	12,95	13,27	12,28	12,05	11,68	13,6	13,52	12,42	13,65	13,4	13,12	13,58	12,8
	A2	13,62	13,42	13,58	14,58	13,65	13,5	13,83	13,88	13,77	12,85	13,27	13,7	13,55	14,07	13,37
Potong Kain	B1	17,18	18,07	18,77	18,1	16,9	18,57	19,25	17,58	17,17	17,38	17,52	17,07	16,52	17,75	18,4
	B2	18,35	18,45	18,02	17,4	18,07	18,53	18,48	16,88	18,62	18,85	19,1	18,48	20,48	17,5	17,47
Potong spon	B1	25,77	24,22	26,82	25,38	27,35	26,1	26,02	25,18	27,08	24,67	25,28	26,55	28,07	26,48	27,28
	B2	26,32	24,78	24,93	24,9	25,33	25,03	24,95	23,57	25,12	25,3	24,28	25,23	25,17	24,03	23,97
Potong Tali serabut	B1	4,18	4,13	4,53	4,25	4,25	4,07	4,57	4,23	4,43	4,63	4,33	4,13	4,45	4,63	4,52
	B2	5	5,13	5,28	4,77	4,92	5,12	5,08	4,57	4,93	5,08	4,97	4,75	5,02	5,13	5,17
Potong Tali Karet	B1	5,92	5,58	5,42	6,37	6,37	5,9	5,83	6,17	5,92	6,52	5,9	5,87	5,93	6,27	6,28
	B2	6,25	5,78	6	6	5,97	5,73	5,77	6,12	5,87	6,12	5,62	5,82	6,22	6,07	6,08
Jahit	C1	76,95	78,5	75,58	77,32	74,28	-	-	-	-	-	-	-	-	-	-
	C2	79,38	75,98	78,57	79,98	77,55	-	-	-	-	-	-	-	-	-	-
	C3	74,23	75,15	83,07	80,52	80,72	-	-	-	-	-	-	-	-	-	-
	C4	73,52	73,92	72,78	77,53	75,03	-	-	-	-	-	-	-	-	-	-
	C5	81,13	80,62	79,82	79,15	79,38	-	-	-	-	-	-	-	-	-	-
	C6	75,48	82,62	82,2	80,73	83,93	-	-	-	-	-	-	-	-	-	-
Finishing	D1	9,48	9,43	9,48	9,82	9,78	9,85	9,28	9,47	9,45	9,68	9,47	9,58	9,48	9,77	9,02
	D2	9,13	9,07	8,78	8,83	9,3	8,45	8,77	8,35	8,15	8,9	9,45	9,03	8,45	8,3	8,95
Packing	E1	5,82	5,33	5,55	5,48	5,68	5,95	5,72	5,92	5,7	5,28	5,07	5,63	5,78	5,83	6,33
		5,43	5,62	5,95	5,45	5,45	6,08	5,93	5,43	5,53	5,6	5,75	5,83	5,53	5,2	6,12

Lampiran 3 Data Hasil Pengamatan Waktu Tiap Proses pada Proses Produksi Karpet dalam Satuan Menit

Elemen kerja	Operator	Pengamatan ke														
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Gambar Pola	F	7,4	7,2	7,27	7,13	7,38	7,5	7,02	7,38	7,75	7,28	7,67	7,75	7,45	7,27	7,28
		7,78	7,65	7,62	7,27	7,2	7,22	7,4	7,5	7,48	7,63	7,22	7,38	7,33	7,55	7,47
Potong Kain	G	17,93	16,63	16,15	15,38	16,13	17,33	15,93	17,38	16,15	16,62	17,53	17,65	16,02	17,17	16,58
		15,8	17,27	16,85	17,37	17,28	15,87	16,83	16,82	16,97	16,12	16,88	17,6	18,23	16,35	17,28
Jahit	H1	35,13	38,5	36,38	36,33	36,02	36,42	38,05	37,38	35,93	36,15	37,8	34	36,13	34,4	38,12
	H2	36,6	35,28	41,45	37,12	39,02	37,65	37,75	39,12	39,55	38,58	38,43	38,57	38,9	39,52	37,27
Finishing	I	7,48	7,1	6,68	7,4	7,07	7,15	7,6	7,53	7,3	7,42	7,5	7,33	7,58	7,33	7,07
		7,22	7,58	7,35	7,48	7,23	7,63	7	7,32	7,05	7,02	7,32	7,5	7,35	7,25	7,62
Packing	J	5,22	4,87	5,07	5,27	4,9	5,07	5,37	5,32	5,45	5,32	4,68	5,52	4,77	5,38	5,65
		5,47	4,77	5,1	5,15	5,4	4,92	5,02	5,12	5,52	5,63	4,85	5,48	4,9	5,53	4,9

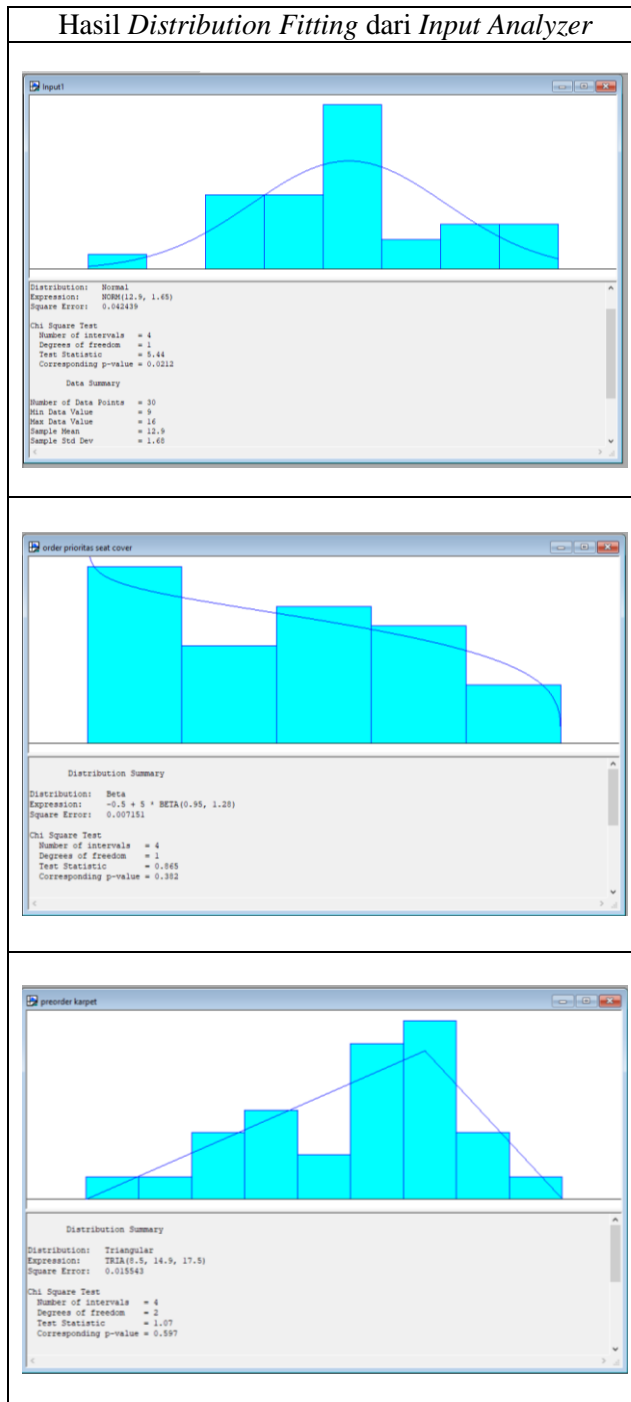
Lampiran 4 Hasil Uji Keseragaman Data dan Uji Kecukupan Data Produksi *Seat Cover*

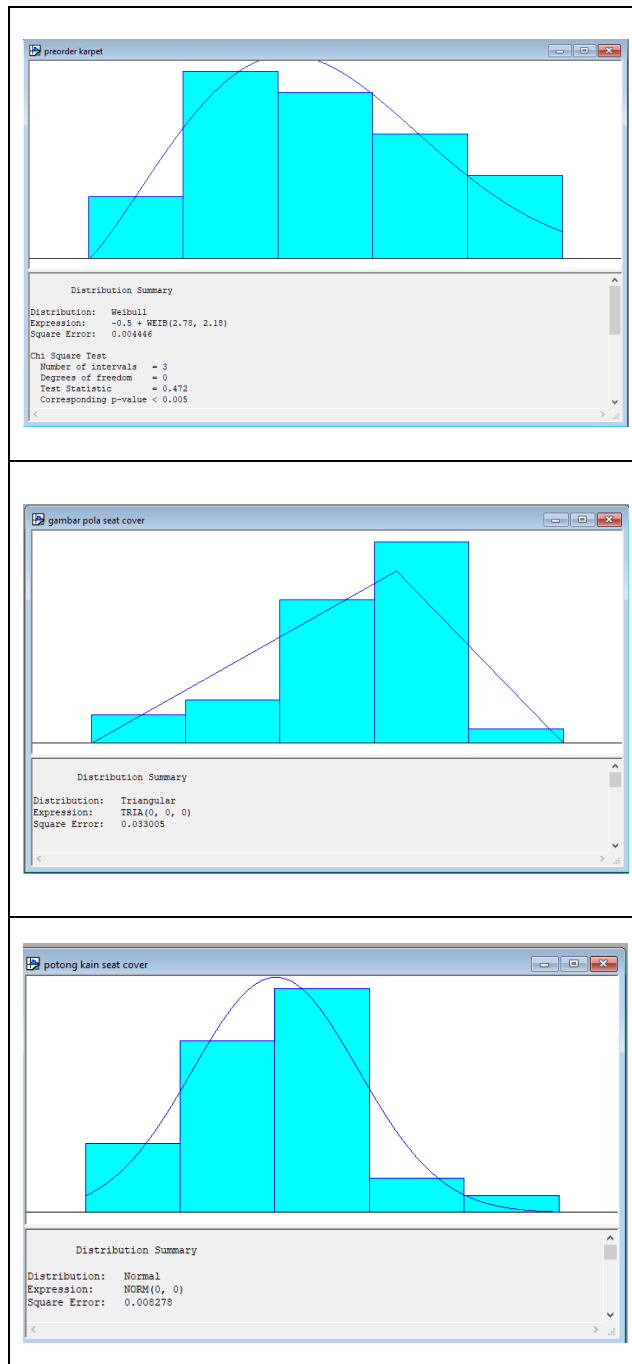
No.	Elemen kerja	Operator	\bar{x}	σ	s	K	BKA	BKB	Hasil uji keseragaman data	Σx	Σx^2	$(\Sigma x)^2$	N	N'	Hasil uji kecukupan data
1	Gambar Pola	A1	12,96	0,62	4,78%	1,67	14,82	11,09	Seragam	194,35	3771,92	2523,55	15	3	Cukup
		A2	13,64	0,39	2,86%	1,9	14,81	12,48	Seragam	204,64	41877,53	2793,93	15	4	Cukup
2	Potong kain	B1	17,75	0,76	4,28%	1,72	20,04	15,45	Seragam	266,23	70878,41	4733,42	15	3	Cukup
		B2	18,31	0,86	4,70%	1,68	20,88	15,75	Seragam	274,68	75449,10	5040,16	15	3	Cukup
3	Potong spon	B1	26,15	1,08	4,13%	1,73	29,39	22,91	Seragam	392,25	153860,06	10273,69	15	3	Cukup
		B2	24,86	0,67	2,70%	1,92	26,89	22,84	Seragam	372,91	139061,87	9277,17	15	4	Cukup
4	Potong tali serabut	B1	4,36	0,19	4,36%	1,7	4,94	3,78	Seragam	65,33	4268,01	285,06	15	3	Cukup
		B2	4,99	0,19	3,81%	1,78	5,55	4,43	Seragam	74,92	5613,01	374,68	15	3	Cukup
5	Potong tali karet	B1	6,02	0,31	5,15%	1,64	6,93	5,10	Seragam	90,25	8145,06	544,32	15	3	Cukup
		B2	5,96	0,19	3,19%	1,86	6,52	5,40	Seragam	89,42	7995,94	533,56	15	4	Cukup
6	Jahit	C1	76,53	1,63	2,13%	2,03	81,41	71,64	Seragam	382,63	146405,72	29291,79	5	4	Cukup
		C2	78,29	1,58	2,02%	2,05	83,04	73,55	Seragam	391,46	153240,93	30658,19	5	4	Cukup
		C3	78,74	3,84	4,88%	1,66	90,26	67,22	Seragam	393,69	154991,82	31057,43	5	3	Cukup
		C4	74,56	1,85	2,48%	1,96	80,11	69,00	Seragam	372,78	138964,93	27806,69	5	4	Cukup
		C5	80,02	0,84	1,05%	2,31	82,53	77,51	Seragam	400,10	160080,01	32018,80	5	4	Cukup
7	Finishing	C6	80,99	3,28	4,05%	1,74	90,85	71,14	Seragam	404,96	163992,60	32841,71	5	3	Cukup
		D1	9,54	0,22	2,31%	1,99	10,20	8,87	Seragam	143,04	20460,44	1364,71	15	4	Cukup
8	Packing	D2	8,79	0,38	4,32%	1,71	9,95	7,64	Seragam	131,91	17400,25	1162,08	15	3	Cukup
		E1	5,67	0,28	4,94%	1,64	6,52	4,81	Seragam	169,97	28889,80	965,34	30	3	Cukup

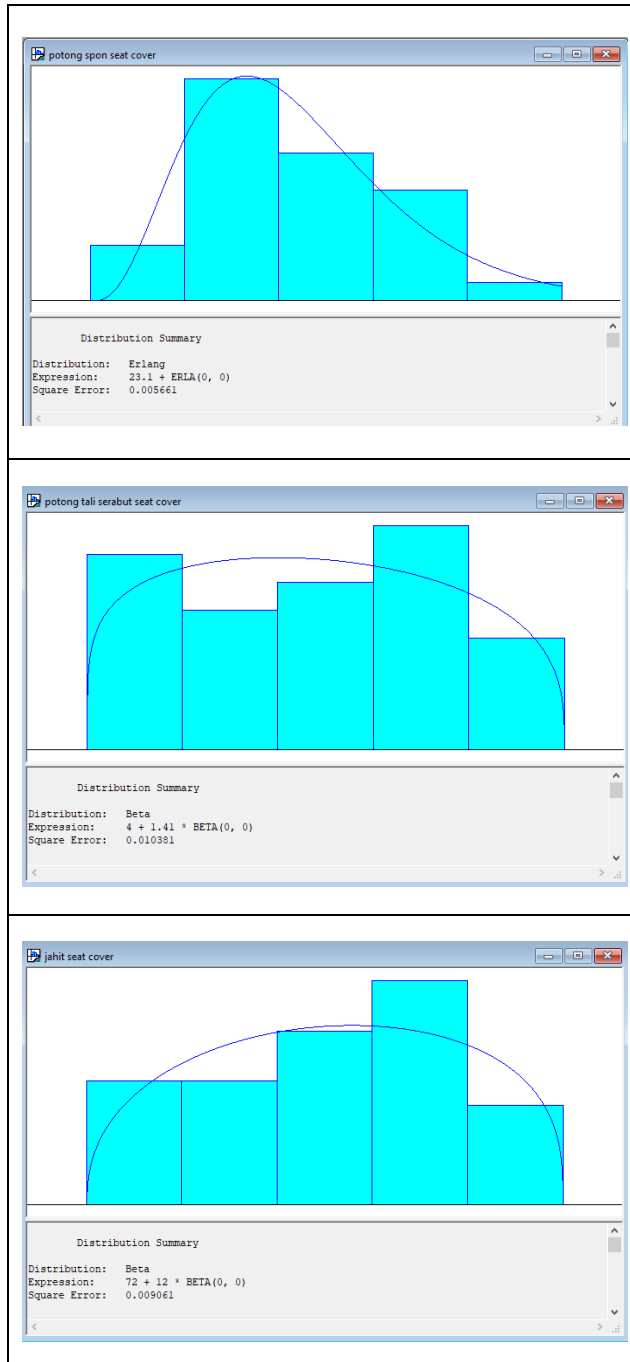
Lampiran 5 Hasil Uji Keseragaman Data dan Uji Kecukupan Data Produksi Karpas

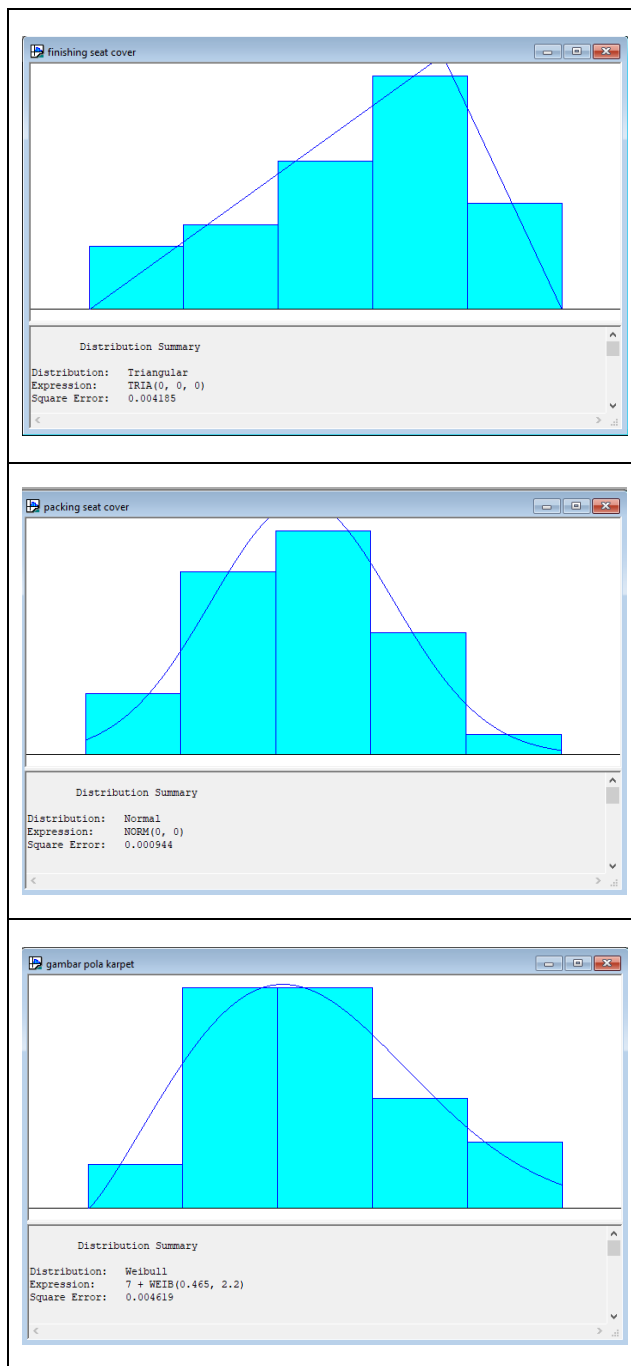
No.	Elemen kerja	Operator	\bar{x}	σ	s	K	BKA	BKB	Hasil uji keseragaman data	Σx	Σx^2	$(\Sigma x)^2$	N	N'	Hasil uji kecukupan data
1	Gambar Pola	F	7,45	0,27	3,62%	1,80	8,26	6,64	Seragam	223,47	49938,84	1666,64	30	3	Cukup
2	Potong kain	G	16,80	0,70	4,17%	1,73	18,9	14,7	Seragam	504,12	254136,97	8485,44	30	3	Cukup
3	Jahit	H1	36,45	1,33	3,65%	1,79	40,44	32,46	Seragam	546,75	298935,56	19953,86	15	3	Cukup
		H2	38,32	1,46	3,81%	1,77	42,7	33,94	Seragam	574,80	330395,04	22056,17	15	3	Cukup
4	Finishing	I	7,32	0,23	3,14%	1,86	8,01	6,63	Seragam	219,47	48167,08	1607,00	30	4	Cukup
5	Packing	J	5,19	0,29	5,59%	1,51	6,06	4,32	Seragam	155,58	24205,14	809,20	30	3	Cukup

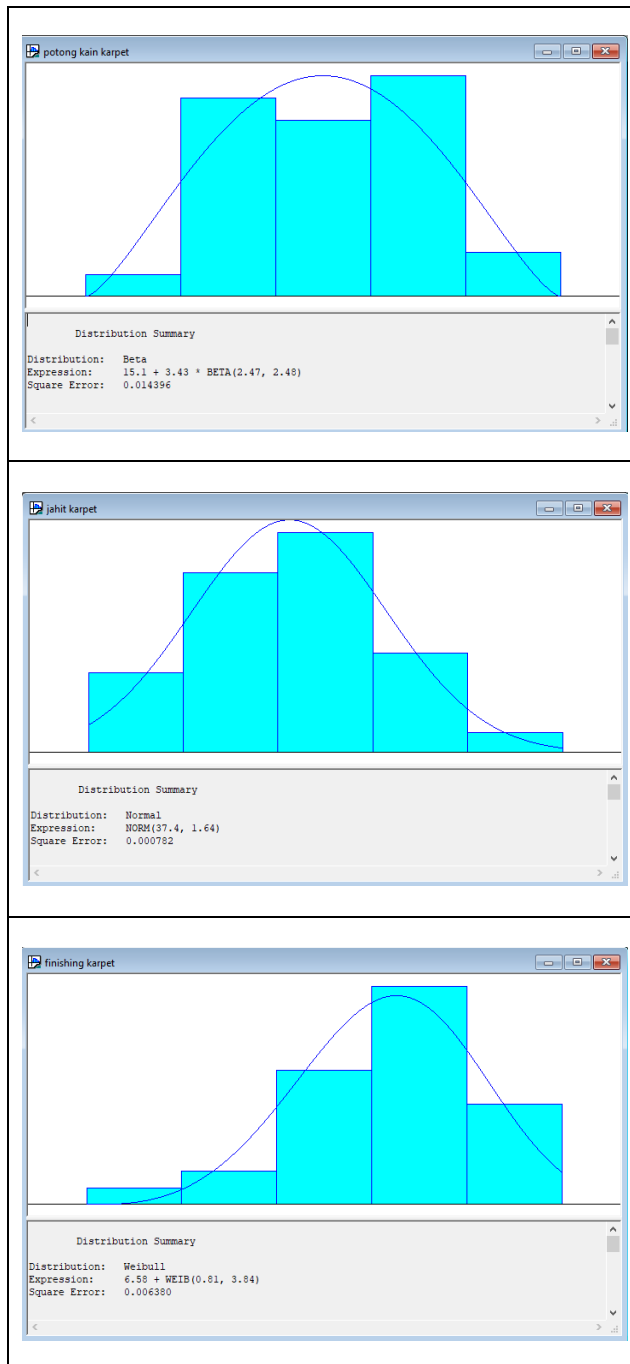
Lampiran 6 Hasil *Distribution Fitting* Jumlah *Order* dan Lama Proses Produksi

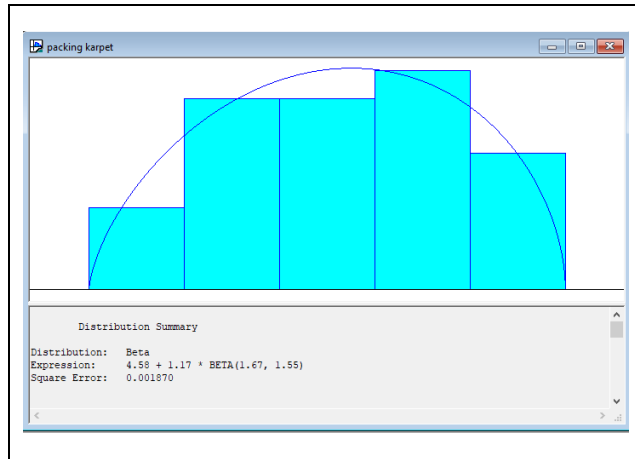






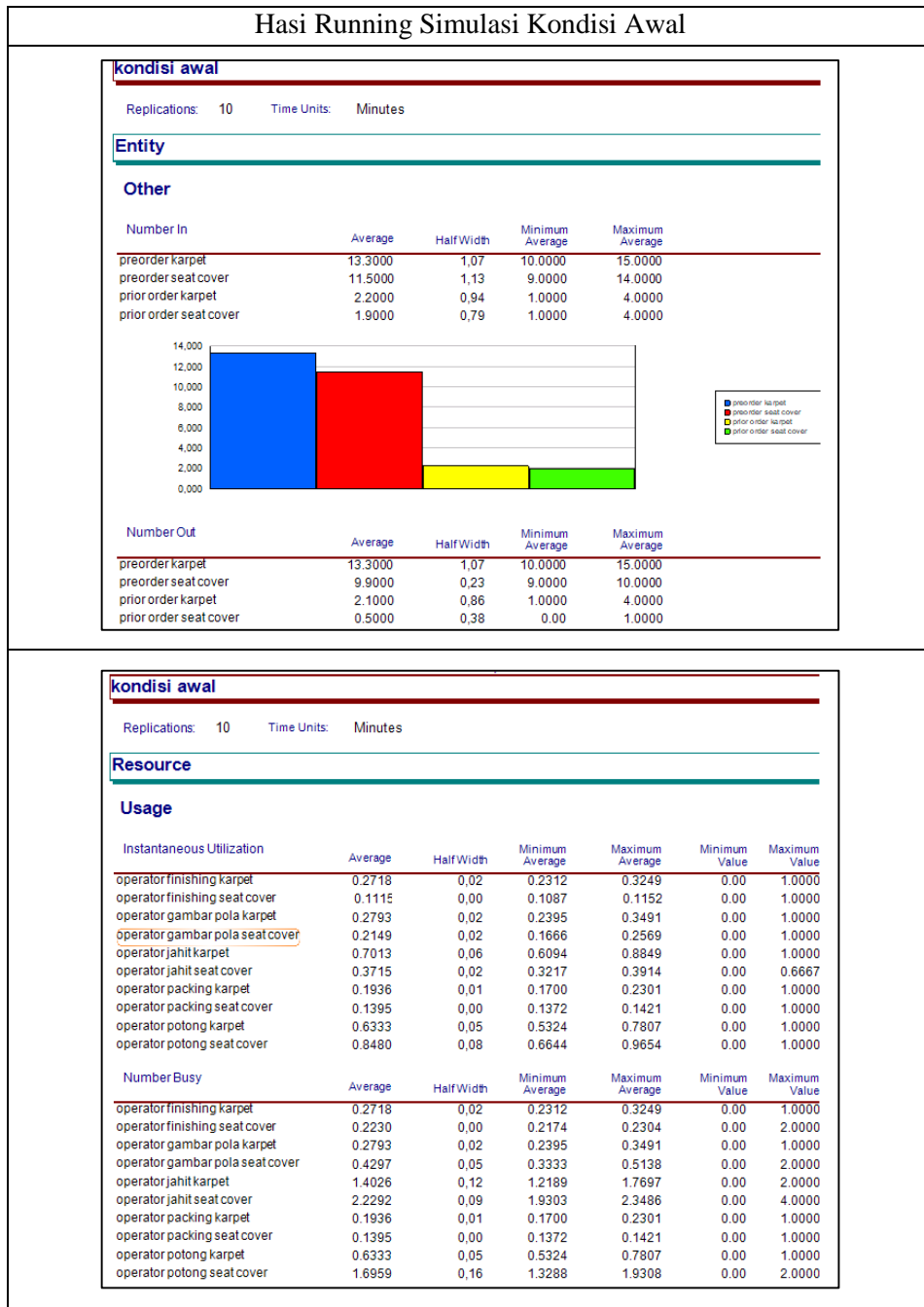






Lampiran 7 Hasil *Running* Simulasi

Hasi Running Simulasi Kondisi Awal



Hasi Running Simulasi Kondisi Awal

kondisi awal						Replications: 10
Replication 1						Time Units: Minutes
Start Time:		0,00	Stop Time:		405,00	
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	153.68	0.00	73.31	
preorder seat c	0.00	55.35	272.98	0.00	105.64	
prior order karp	0.00	0.00	160.98	0.00	73.50	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	55.35	587.64	0.00	252.46	
Other						
	Number In	Number Out				
preorder karpet	10	10				
preorder seat c	11	10				
prior order karp	4	4				
prior order seat	4	0				
Total	29	24				

kondisi awal						Replications: 10
Replication 2						Time Units: Minutes
Start Time:		0,00	Stop Time:		405,00	
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	188.04	0.00	74.61	
preorder seat c	0.00	53.82	268.43	0.00	106.38	
prior order karp	0.00	0.00	206.04	0.00	71.77	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	53.82	662.50	0.00	252.76	
Other						
	Number In	Number Out				
preorder karpet	13	13				
preorder seat c	10	10				
prior order karp	2	2				
prior order seat	1	1				
Total	26	26				

Hasi Running Simulasi Kondisi Awal

kondisi awal						Replications: 10
Replication 3						Start Time: 0,00
						Stop Time: 405,00
						Time Units: Minutes
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	185.60	0.00	74.52	
preorder seat c	0.00	53.75	266.67	0.00	106.12	
prior order karp	0.00	0.00	0.00	0.00	0.00	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	53.75	452.27	0.00	180.64	
Other						
	Number In	Number Out				
preorder karpet	13	13				
preorder seat c	11	10				
prior order karp	1	1				
prior order seat	1	0				
Total	26	24				

kondisi awal						Replications: 10
Replication 4						Start Time: 0,00
						Stop Time: 405,00
						Time Units: Minutes
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	205.94	0.00	74.46	
preorder seat c	0.00	53.36	267.96	0.00	106.53	
prior order karp	0.00	0.00	254.85	0.00	74.11	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	53.36	728.74	0.00	255.10	
Other						
	Number In	Number Out				
preorder karpet	15	15				
preorder seat c	12	10				
prior order karp	4	3				
prior order seat	3	0				
Total	34	28				

Hasi Running Simulasi Kondisi Awal

kondisi awal						Replications: 10
Replication 5						Time Units: Minutes
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	193.42	0.00	74.23	
preorder seat c	0.00	53.94	267.78	0.00	105.31	
prior order karp	0.00	0.00	211.63	0.00	70.13	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	53.94	672.83	0.00	249.66	
Other						
	Number In	Number Out				
preorder karpet	14	14				
preorder seat c	14	10				
prior order karp	1	1				
prior order seat	2	0				
Total	31	25				

kondisi awal						Replications: 10
Replication 6						Time Units: Minutes
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	193.40	0.00	73.89	
preorder seat c	0.00	54.06	271.39	0.00	107.01	
prior order karp	0.00	0.00	0.00	0.00	0.00	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	54.06	464.79	0.00	180.90	
Other						
	Number In	Number Out				
preorder karpet	14	14				
preorder seat c	11	10				
prior order karp	1	1				
prior order seat	3	0				
Total	29	25				

Hasi Running Simulasi Kondisi Awal

kondisi awal						Replications: 10
Replication 7						Start Time: 0,00
						Stop Time: 405,00
						Time Units: Minutes
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	205.04	0.00	74.63	
preorder seat c	0.00	54.46	261.64	0.00	109.26	
prior order karp	0.00	0.00	0.00	0.00	0.00	
prior order seat	0.00	55.60	265.75	0.00	104.95	
Total	0.00	110.06	732.43	0.00	288.84	
Other						
	Number In	Number Out				
preorder karpet	15	15				
preorder seat c	9	9				
prior order karp	1	1				
prior order seat	2	1				
Total	27	26				

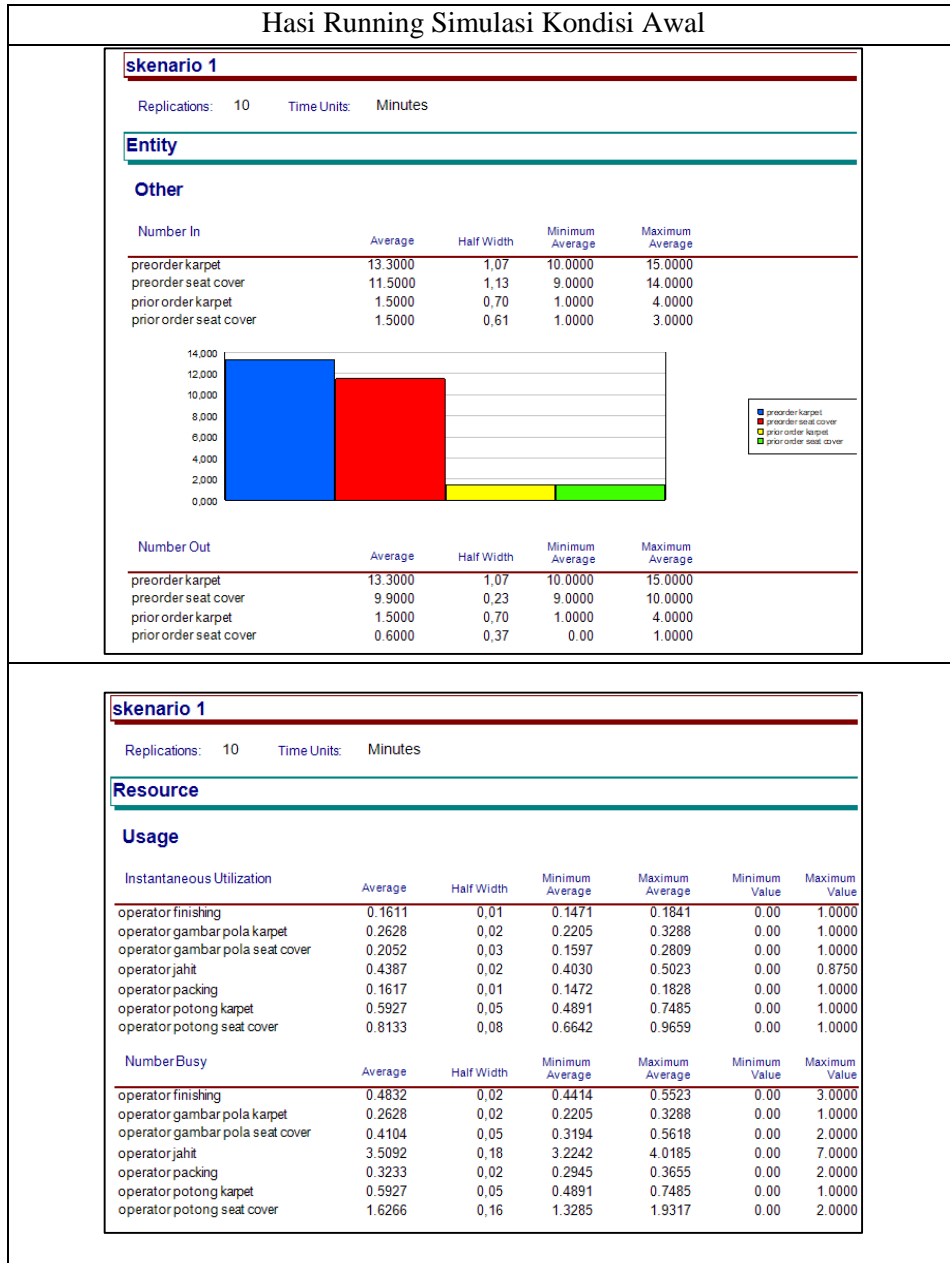
kondisi awal						Replications: 10
Replication 8						Start Time: 0,00
						Stop Time: 405,00
						Time Units: Minutes
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	176.02	0.00	73.84	
preorder seat c	0.00	53.77	269.66	0.00	107.28	
prior order karp	0.00	0.00	186.57	0.00	73.86	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	53.77	632.25	0.00	254.98	
Other						
	Number In	Number Out				
preorder karpet	12	12				
preorder seat c	11	10				
prior order karp	2	2				
prior order seat	1	1				
Total	26	25				

Hasi Running Simulasi Kondisi Awal

kondisi awal						Replications: 10
Replication 9						Time Units: Minutes
Start Time:		0,00	Stop Time:		405,00	
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	184.68	0.00	74.51	
preorder seat c	0.00	54.34	269.82	0.00	103.90	
prior order karp	0.00	0.00	226.15	0.00	74.43	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	54.34	680.65	0.00	252.85	
Other						
	Number In	Number Out				
preorder karpet	13	13				
preorder seat c	14	10				
prior order karp	4	4				
prior order seat	1	1				
Total	32	28				

kondisi awal						Replications: 10
Replication 10						Time Units: Minutes
Start Time:		0,00	Stop Time:		405,00	
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	193.61	0.00	74.52	
preorder seat c	0.00	53.53	268.51	0.00	107.64	
prior order karp	0.00	0.00	224.13	0.00	73.44	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	53.53	686.25	0.00	255.60	
Other						
	Number In	Number Out				
preorder karpet	14	14				
preorder seat c	12	10				
prior order karp	2	2				
prior order seat	1	1				
Total	29	27				

Hasi Running Simulasi Kondisi Awal



Hasi Running Simulasi Kondisi Awal

skenario 1						Replications: 10
Replication 1		Start Time:	0,00	Stop Time:	405,00	Time Units: Minutes
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	147.94	0.00	74.29	
preorder seat c	0.00	54.70	270.67	0.00	107.34	
prior order karp	0.00	0.00	126.29	0.00	72.31	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	54.70	544.89	0.00	253.93	
Other						
	Number In	Number Out				
preorder karpet	10	10				
preorder seat c	11	10				
prior order karp	2	2				
prior order seat	1	1				
Total	24	23				

skenario 1						Replications: 10
Replication 2		Start Time:	0,00	Stop Time:	405,00	Time Units: Minutes
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	176.93	0.00	74.14	
preorder seat c	0.00	54.55	271.53	0.00	105.03	
prior order karp	0.00	0.00	184.30	0.00	73.85	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	54.55	632.75	0.00	253.02	
Other						
	Number In	Number Out				
preorder karpet	13	13				
preorder seat c	10	10				
prior order karp	2	2				
prior order seat	1	1				
Total	26	26				

Hasi Running Simulasi Kondisi Awal

skenario 1						Replications: 10
Replication 3		Start Time:	0,00	Stop Time:	405,00	Time Units: Minutes
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	174.98	0.00	74.41	
preorder seat c	0.00	53.94	268.62	0.00	107.73	
prior order karp	0.00	0.00	0.00	0.00	0.00	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	53.94	443.59	0.00	182.14	
Other						
	Number In	Number Out				
preorder karpet	13	13				
preorder seat c	11	10				
prior order karp	1	1				
prior order seat	1	1				
Total	26	25				

skenario 1						Replications: 10
Replication 4		Start Time:	0,00	Stop Time:	405,00	Time Units: Minutes
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	189.17	0.00	74.23	
preorder seat c	0.00	54.04	269.30	0.00	104.22	
prior order karp	0.00	0.00	199.82	0.00	74.41	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	54.04	658.30	0.00	252.87	
Other						
	Number In	Number Out				
preorder karpet	15	15				
preorder seat c	12	10				
prior order karp	1	1				
prior order seat	1	1				
Total	29	27				

Hasi Running Simulasi Kondisi Awal

skenario 1						Replications: 10
Replication 5		Start Time:	0,00	Stop Time:	405,00	Time Units: Minutes
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	184.32	0.00	73.81	
preorder seat c	0.00	53.81	268.16	0.00	105.94	
prior order karp	0.00	0.00	0.00	0.00	0.00	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	53.81	452.48	0.00	179.75	
Other						
	Number In	Number Out				
preorder karpet	14	14				
preorder seat c	14	10				
prior order karp	1	1				
prior order seat	1	1				
Total	30	26				

skenario 1						Replications: 10
Replication 6		Start Time:	0,00	Stop Time:	405,00	Time Units: Minutes
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	182.71	0.00	74.07	
preorder seat c	0.00	53.92	267.65	0.00	105.51	
prior order karp	0.00	0.00	0.00	0.00	0.00	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	53.92	450.35	0.00	179.57	
Other						
	Number In	Number Out				
preorder karpet	14	14				
preorder seat c	11	10				
prior order karp	1	1				
prior order seat	2	0				
Total	28	25				

Hasi Running Simulasi Kondisi Awal

skenario 1		Replications: 10			
Replication 7	Start Time:	0,00	Stop Time:	405,00	Time Units: Minutes
Entity Detail Summary					
Time					
	NVA Time	Other Time	Total Time	Transfer Time	VA Time
preorder karpet	0.00	0.00	193.81	0.00	74.30
preorder seat c	0.00	54.06	256.37	0.00	105.73
prior order karp	0.00	0.00	0.00	0.00	0.00
prior order seat	0.00	51.51	262.80	0.00	111.68
Total	0.00	105.57	712.98	0.00	291.71
Other					
	Number In	Number Out			
preorder karpet	15	15			
preorder seat c	9	9			
prior order karp	1	1			
prior order seat	1	1			
Total	26	26			

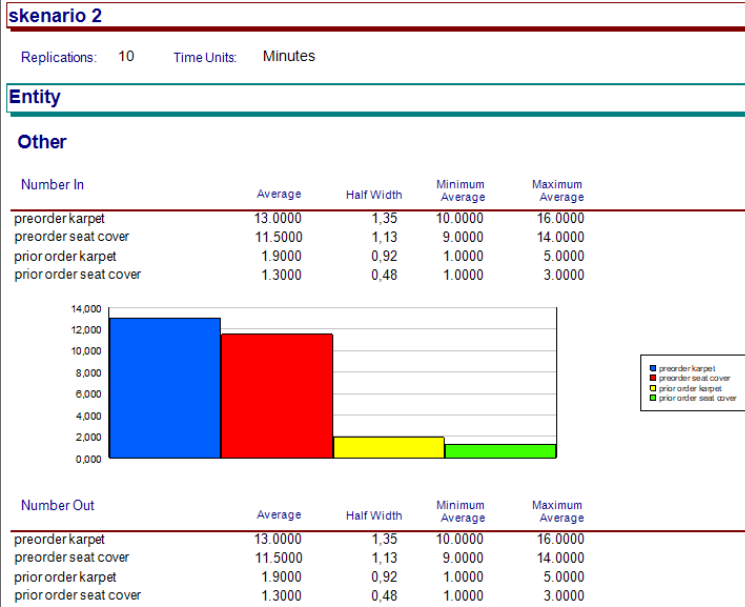
skenario 1		Replications: 10			
Replication 8	Start Time:	0,00	Stop Time:	405,00	Time Units: Minutes
Entity Detail Summary					
Time					
	NVA Time	Other Time	Total Time	Transfer Time	VA Time
preorder karpet	0.00	0.00	165.73	0.00	74.05
preorder seat c	0.00	54.52	268.36	0.00	105.95
prior order karp	0.00	0.00	0.00	0.00	0.00
prior order seat	0.00	0.00	0.00	0.00	0.00
Total	0.00	54.52	434.09	0.00	180.01
Other					
	Number In	Number Out			
preorder karpet	12	12			
preorder seat c	11	10			
prior order karp	1	1			
prior order seat	1	0			
Total	25	23			

Hasi Running Simulasi Kondisi Awal

skenario 1						Replications: 10
Replication 9						Time Units: Minutes
Start Time:		0,00	Stop Time:		405,00	
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	177.17	0.00	74.93	
preorder seat c	0.00	54.27	270.36	0.00	107.78	
prior order karp	0.00	0.00	174.09	0.00	73.77	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	54.27	621.63	0.00	256.48	
Other						
	Number In	Number Out				
preorder karpet	13	13				
preorder seat c	14	10				
prior order karp	1	1				
prior order seat	3	0				
Total	31	24				

skenario 1						Replications: 10
Replication 10						Time Units: Minutes
Start Time:		0,00	Stop Time:		405,00	
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	182.43	0.00	74.29	
preorder seat c	0.00	53.90	268.98	0.00	106.55	
prior order karp	0.00	0.00	214.81	0.00	74.42	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	53.90	666.22	0.00	255.27	
Other						
	Number In	Number Out				
preorder karpet	14	14				
preorder seat c	12	10				
prior order karp	4	4				
prior order seat	3	0				
Total	33	28				

Hasi Running Simulasi Kondisi Awal



skenario 2

Replications: 10 Time Units: Minutes

Resource

Usage

Instantaneous Utilization	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
operator finishing	0.2702	0,01	0.2469	0.3100	0.00	1.0000
operator gambar pola karpet	0.2717	0,03	0.2014	0.3292	0.00	1.0000
operator gambar pola seat cover	0.1327	0,02	0.0985	0.1648	0.00	1.0000
operator jahit	0.4616	0,03	0.4078	0.5375	0.00	1.0000
operator packing	0.3595	0,02	0.3293	0.4139	0.00	1.0000
operator potong karpet	0.6118	0,06	0.4577	0.7397	0.00	1.0000
operator potong seat cover	0.5394	0,06	0.4051	0.6649	0.00	1.0000

Number Busy	Average	Half Width	Minimum Average	Maximum Average	Minimum Value	Maximum Value
operator finishing	0.5403	0,03	0.4938	0.6200	0.00	2.0000
operator gambar pola karpet	0.2717	0,03	0.2014	0.3292	0.00	1.0000
operator gambar pola seat cover	0.3982	0,05	0.2955	0.4945	0.00	3.0000
operator jahit	3.6929	0,24	3.2623	4.3002	0.00	8.0000
operator packing	0.3595	0,02	0.3293	0.4139	0.00	1.0000
operator potong karpet	0.6118	0,06	0.4577	0.7397	0.00	1.0000
operator potong seat cover	1.6162	0,19	1.2154	1.9948	0.00	3.0000

Hasi Running Simulasi Kondisi Awal

skenario 2						Replications: 10
Replication 1	Start Time:	0,00	Stop Time:	405,00	Time Units: Minutes	
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	146.57	0.00	73.41	
preorder seat c	0.00	54.77	240.16	0.00	108.06	
prior order karp	0.00	0.00	116.36	0.00	72.09	
prior order seat	0.00	55.26	236.08	0.00	100.70	
Total	0.00	110.02	739.17	0.00	354.26	
Other						
	Number In	Number Out				
preorder karpet	10	10				
preorder seat c	11	11				
prior order karp	1	1				
prior order seat	2	2				
Total	24	24				

skenario 2						Replications: 10
Replication 2	Start Time:	0,00	Stop Time:	405,00	Time Units: Minutes	
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	177.51	0.00	75.15	
preorder seat c	0.00	54.07	231.26	0.00	106.01	
prior order karp	0.00	0.00	174.63	0.00	73.90	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	54.07	583.40	0.00	255.06	
Other						
	Number In	Number Out				
preorder karpet	13	13				
preorder seat c	10	10				
prior order karp	1	1				
prior order seat	1	1				
Total	25	25				

Hasi Running Simulasi Kondisi Awal

skenario 2						Replications: 10
Replication 3						Time Units: Minutes
Start Time:		0,00	Stop Time:		405,00	
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	177.92	0.00	74.59	
preorder seat c	0.00	53.79	236.85	0.00	106.03	
prior order karp	0.00	0.00	185.38	0.00	75.12	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	53.79	600.16	0.00	255.74	
Other						
	Number In	Number Out				
preorder karpet	13	13				
preorder seat c	11	11				
prior order karp	2	2				
prior order seat	1	1				
Total	27	27				

skenario 2						Replications: 10
Replication 4						Time Units: Minutes
Start Time:		0,00	Stop Time:		405,00	
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	192.77	0.00	74.35	
preorder seat c	0.00	54.14	248.75	0.00	107.46	
prior order karp	0.00	0.00	208.89	0.00	76.18	
prior order seat	0.00	53.40	255.61	0.00	109.26	
Total	0.00	107.55	906.21	0.00	367.24	
Other						
	Number In	Number Out				
preorder karpet	15	15				
preorder seat c	12	12				
prior order karp	1	1				
prior order seat	1	1				
Total	29	29				

Hasi Running Simulasi Kondisi Awal

skenario 2						Replications: 10
Replication 5						Time Units: Minutes
Start Time:		0,00	Stop Time:		405,00	
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	183.13	0.00	73.57	
preorder seat c	0.00	53.97	265.81	0.00	107.58	
prior order karp	0.00	0.00	187.22	0.00	74.50	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	53.97	636.16	0.00	255.65	
Other						
	Number In	Number Out				
preorder karpet	14	14				
preorder seat c	14	14				
prior order karp	1	1				
prior order seat	1	1				
Total	30	30				

skenario 2						Replications: 10
Replication 6						Time Units: Minutes
Start Time:		0,00	Stop Time:		405,00	
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	183.02	0.00	74.02	
preorder seat c	0.00	54.09	239.37	0.00	106.83	
prior order karp	0.00	0.00	0.00	0.00	0.00	
prior order seat	0.00	53.97	242.34	0.00	105.43	
Total	0.00	108.06	664.74	0.00	286.28	
Other						
	Number In	Number Out				
preorder karpet	14	14				
preorder seat c	11	11				
prior order karp	1	1				
prior order seat	3	3				
Total	29	29				

Hasi Running Simulasi Kondisi Awal

skenario 2						Replications: 10
Replication 7						Time Units: Minutes
Start Time:		0,00	Stop Time:		405,00	
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	196.97	0.00	74.32	
preorder seat c	0.00	54.76	222.94	0.00	108.18	
prior order karp	0.00	0.00	219.11	0.00	73.13	
prior order seat	0.00	51.75	193.74	0.00	101.48	
Total	0.00	106.51	832.76	0.00	357.11	
Other						
	Number In	Number Out				
preorder karpet	15	15				
preorder seat c	9	9				
prior order karp	2	2				
prior order seat	1	1				
Total	27	27				

skenario 2						Replications: 10
Replication 8						Time Units: Minutes
Start Time:		0,00	Stop Time:		405,00	
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	167.65	0.00	75.03	
preorder seat c	0.00	54.37	239.32	0.00	106.67	
prior order karp	0.00	0.00	154.22	0.00	73.49	
prior order seat	0.00	56.26	224.08	0.00	107.79	
Total	0.00	110.63	785.27	0.00	362.98	
Other						
	Number In	Number Out				
preorder karpet	12	12				
preorder seat c	11	11				
prior order karp	1	1				
prior order seat	1	1				
Total	25	25				

Hasi Running Simulasi Kondisi Awal

skenario 2						Replications: 10
Replication 9						Time Units: Minutes
		Start Time:	0,00	Stop Time:	405,00	
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	173.79	0.00	74.29	
preorder seat c	0.00	53.66	265.76	0.00	108.53	
prior order karp	0.00	0.00	0.00	0.00	0.00	
prior order seat	0.00	0.00	0.00	0.00	0.00	
Total	0.00	53.66	439.56	0.00	182.82	
Other						
	Number In	Number Out				
preorder karpet	13	13				
preorder seat c	14	14				
prior order karp	1	1				
prior order seat	1	1				
Total	29	29				

skenario 2						Replications: 10
Replication 10						Time Units: Minutes
		Start Time:	0,00	Stop Time:	405,00	
Entity Detail Summary						
Time						
	NVA Time	Other Time	Total Time	Transfer Time	VA Time	
preorder karpet	0.00	0.00	182.99	0.00	74.22	
preorder seat c	0.00	53.19	244.93	0.00	106.58	
prior order karp	0.00	0.00	0.00	0.00	0.00	
prior order seat	0.00	54.48	262.61	0.00	109.82	
Total	0.00	107.67	690.53	0.00	290.62	
Other						
	Number In	Number Out				
preorder karpet	14	14				
preorder seat c	12	12				
prior order karp	1	1				
prior order seat	3	3				
Total	30	30				

(Halaman ini sengaja dikosongkan)

BIOGRAFI



Ahmad Syaiful Sulun lahir di Sumenep, 7 November 1989. Anak tunggal dari pasangan Bapak Achmad Mudawi dan Ibu Sunarmi Rinda Utami. Penulis menempuh pendidikan sekolah dasar di SDN Tlogosari I, Kecamatan Donomulyo Kabupaten Malang dan tamat pada tahun 2001. Kemudian melanjutkan sekolah ke SLTPN I Donomulyo dan lulus pada tahun 2004. Lalu menempuh pendidikan selama 3 tahun di SMAN I Pagak dan lulus pada tahun 2007. Pada tahun 2014, penulis meneruskan pendidikan di Universitas 17 Agustus 1945 Surabaya Fakultas Teknik dan mengambil Program Studi Teknik Industri. Penulis mampu menyelesaikan pendidikan Strata 1 (S1) selama 4 tahun dan di wisuda pada tahun 2018.