

LAMPIRAN

Lampiran 1 Tabel Master Production Schedule

Jun-24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
Required			14	11	10	12	6	10		13	12	7	12	7	12		
Order Placement	14		11	10	12	6	10	13		12	7	12	7	12	17		
Jun-24	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL	
Required				17	14	9	12		10	12	10	9	10	10		239	
Order Placement				14	9	12	10		12	10	9	5	10	15			
Jul-24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Required	15	17	19	20	16	18		21	18	17	23	12	22		23	20	
Order Placement	17	19	20	16	18	21		18	17	23	12	22	23		20	19	
Jul-24	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	
Required	19	17	17	20		22	19	21	19	18	23		21	19	22	518	
Order Placement	17	17	20	22		19	21	19	18	23	21		19	22	14		
Aug-24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	
Required	14	11	13		16	13	14	12	10	11		15	11	13	12	10	
Order Placement	11	13	16		13	14	12	10	11	15		11	13	12	9	13	
Aug-24	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL	
Required	13		14	12	13	11	9	17		16	13	14	14	11	10	342	
Order Placement	14		12	13	11	9	17	16		13	14	15	11	10	13		
Sep-24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15		
Required		13	10	11	9	8	10		12	10	7	9	6	12			
Order Placement		10	11	9	8	10	12		10	7	9	6	12	12			
Sep-24	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL	
Required	12	10	9	11	5	12		13	13	12	10	8	10		8	250	
Order Placement	10	9	11	5	12	13		13	12	10	8	10	8		9		

Oct-24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16
Required	9	10	9	5	8	7	9	7	11	8	5	9	10	9	11	
Order Placement	10	9	5	8	9	7	11	8	5	9	10	9	11	8		
Oct-24	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	TOTAL
Required	8	7	10	12	8	10	9	7	11	13	11	10	9	10	245	
Order Placement	7	10	12	8	10	9	7	11	13	11	10	9	10			
Nov-24	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	
Required	10	13	16	14	15	12	10	14	17	16	10	15	12			
Order Placement	13	16	14	15	12	10	14	17	16	10	15	12	13			
Nov-24	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	TOTAL
Required	13	15	13	14	16	11	13	16	13	12	14	11	12	347		
Order Placement	15	13	14	16	11	13	16	13	12	14	11	12				

Lampiran 2 Hasil Perhitungan Material Requirements Planning

Periode:		Mei			Juni														
		29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
U-Ditch LT = 1 Day On Hand = 0	GR					14	11	10	12	6	10		13	12	7	12	7	12	
	OH	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
	NR					14	11	10	12	6	10		13	12	7	12	7	12	
	PORec					14	11	10	12	6	10		13	12	7	12	7	12	
	PORel				14	11	10	12	6	10	13		12	7	12	7	12	17	
Wiremesh LT = 3 Days On Hand = 0	GR				14	11	10	12	6	10	13		12	7	12	7	12	17	
	OH	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
	NR				14	11	10	12	6	10	13		12	7	12	7	12	17	
	PORec				14	11	10	12	6	10	13		12	7	12	7	12	17	
	PORel	14	11	10	12	6	10	13	12	7	12		7	12	17	14	9	12	
Readymix LT = 0 Day On Hand = 0	GR				14	11	10	12	6	10	13		12	7	12	7	12	17	
	OH	0	0	0	0	0	0	0	0	0	0		0	0	0	0	0	0	
	NR				14	11	10	12	6	10	13		12	7	12	7	12	17	
	PORec				14	11	10	12	6	10	13		12	7	12	7	12	17	
	PORel				14	11	10	12	6	10	13		12	7	12	7	12	17	

Periode:		Mei			Juni														
		29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
Semen LT = 0 Day On Hand = 0	GR				14		11	10	12	6	10	13		12	7	12	7	12	17
	OH	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0
	NR				14		11	10	12	6	10	13		12	7	12	7	12	17
	PORec				14		11	10	12	6	10	13		12	7	12	7	12	17
	PORel				14		11	10	12	6	10	13		12	7	12	7	12	17
Agregat Halus LT = 0 Day On Hand = 0	GR				14		11	10	12	6	10	13		12	7	12	7	12	17
	OH	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0
	NR				14		11	10	12	6	10	13		12	7	12	7	12	17
	PORec				14		11	10	12	6	10	13		12	7	12	7	12	17
	PORel				14		11	10	12	6	10	13		12	7	12	7	12	17
Agregat Kasar LT = 0 Day On Hand = 0	GR				14		11	10	12	6	10	13		12	7	12	7	12	17
	OH	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0
	NR				14		11	10	12	6	10	13		12	7	12	7	12	17
	PORec				14		11	10	12	6	10	13		12	7	12	7	12	17
	PORel				14		11	10	12	6	10	13		12	7	12	7	12	17
Air LT = 0 Day On Hand = 0	GR				14		11	10	12	6	10	13		12	7	12	7	12	17
	OH	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0
	NR				14		11	10	12	6	10	13		12	7	12	7	12	17
	PORec				14		11	10	12	6	10	13		12	7	12	7	12	17
	PORel				14		11	10	12	6	10	13		12	7	12	7	12	17

Periode:		Juni															Juli		
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3
U-Ditch LT = 1 Day On Hand = 0	GR				17	14	9	12		10	12	10	9	10	10		15	17	19
	OH				0	0	0	0		0	0	0	0	0	0		0	0	0
	NR				17	14	9	12		10	12	10	9	10	10		15	17	19

Periode:	Juni														Juli			
	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3
	PORec	PORel																
Wiremesh LT = 3 Days	GR			14	9	12	10		12	10	9	10	10	15		17	19	19
	OH			0	0	0	0		0	0	0	0	0	0		0	0	0
	NR			14	9	12	10		12	10	9	10	10	15		17	19	19
On Hand = 0	PORec			14	9	12	10		12	10	9	10	10	15		17	19	19
	PORel			10	12	10	9		10	10	15	17	19	19		16	18	21
Readymix LT = 0 Day	GR			14	9	12	10		12	10	9	10	10	15		17	19	19
	OH			0	0	0	0		0	0	0	0	0	0		0	0	0
	NR			14	9	12	10		12	10	9	10	10	15		17	19	19
On Hand = 0	PORec			14	9	12	10		12	10	9	10	10	15		17	19	19
	PORel			14	9	12	10		12	10	9	10	10	15		17	19	19
Semen LT = 0 Day	GR			14	9	12	10		12	10	9	10	10	15		17	19	19
	OH			0	0	0	0		0	0	0	0	0	0		0	0	0
	NR			14	9	12	10		12	10	9	10	10	15		17	19	19
On Hand = 0	PORec			14	9	12	10		12	10	9	10	10	15		17	19	19
	PORel			14	9	12	10		12	10	9	10	10	15		17	19	19
Agregat Halus LT = 0 Day	GR			14	9	12	10		12	10	9	10	10	15		17	19	19
	OH			0	0	0	0		0	0	0	0	0	0		0	0	0
	NR			14	9	12	10		12	10	9	10	10	15		17	19	19
On Hand = 0	PORec			14	9	12	10		12	10	9	10	10	15		17	19	19
	PORel			14	9	12	10		12	10	9	10	10	15		17	19	19
Agregat Kasar LT = 0 Day	GR			14	9	12	10		12	10	9	10	10	15	0	17	19	19
	OH			0	0	0	0		0	0	0	0	0	0		0	0	0
	NR			14	9	12	10		12	10	9	10	10	15		17	19	19
On Hand = 0	PORec			14	9	12	10		12	10	9	10	10	15		17	19	19
	PORel			14	9	12	10		12	10	9	10	10	15		17	19	19

Periode:		Juni														Juli			
		16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1	2	3
Air LT = 0 Day On Hand = 0	GR				14	9	12	10		12	10	9	10	10	15	0	17	19	19
	OH				0	0	0	0		0	0	0	0	0	0		0	0	0
	NR				14	9	12	10		12	10	9	10	10	15		17	19	19
	PORec				14	9	12	10		12	10	9	10	10	15		17	19	19
	PORel				14	9	12	10		12	10	9	10	10	15		17	19	19

Periode:		Juli																		
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	
U-Ditch LT = 1 Day On Hand = 0	GR	20	16	18		21	18	17	23	12	22		23	20	19	17	17	20		
	OH	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0		
	NR	20	16	18		21	18	17	23	12	22		23	20	19	17	17	20		
	PORec	20	16	18		21	18	17	23	12	22		23	20	19	17	17	20		
	PORel	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22		
Wiremesh LT = 3 Days On Hand = 0	GR	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22		
	OH	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0		
	NR	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22		
	PORec	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22		
	PORel	18	17	23		12	22	23	20	19	17		17	20	22	19	21	19		
Readymix LT = 0 Day On Hand = 0	GR	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22		
	OH	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0		
	NR	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22		
	PORec	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22		
	PORel	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22		
Semen LT = 0 Day	GR	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22		
	OH	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0		

Periode:		Juli																			
		4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21		
On Hand = 0	NR	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22			
	PORec	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22			
	PORel	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22			
Agregat Halus LT = 0 Day On Hand = 0	GR	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22			
	OH	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0			
	NR	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22			
	PORec	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22			
	PORel	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22			
Agregat Kasar LT = 0 Day On Hand = 0	GR	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22			
	OH	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0			
	NR	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22			
	PORec	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22			
	PORel	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22			
Air LT = 0 Day On Hand = 0	GR	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22			
	OH	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0			
	NR	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22			
	PORec	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22			
	PORel	16	18	21		18	17	23	12	22	23		20	19	17	17	20	22			

Periode:		Juli										Agustus							
		22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8
U-Ditch LT = 1 Day On Hand = 0	GR	22	19	21	19	18	23		21	19	22	14	11	13		16	13	14	12
	OH	0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0
	NR	22	19	21	19	18	23		21	19	22	14	11	13		16	13	14	12
	PORec	22	19	21	19	18	23		21	19	22	14	11	13		16	13	14	12
	PORel	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10

Periode:		Juli										Agustus							
		22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8
Wiremesh LT = 3 Days On Hand = 0	GR	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
	OH	0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0
	NR	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
	PORec	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
	PORel	18	23	21	19	22	14		11	13	16	13	14	12		10	11	15	11
Readymix LT = 0 Day On Hand = 0	GR	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
	OH	0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0
	NR	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
	PORec	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
	PORel	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
Semen LT = 0 Day On Hand = 0	GR	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
	OH	0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0
	NR	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
	PORec	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
	PORel	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
Agregat Halus LT = 0 Day On Hand = 0	GR	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
	OH	0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0
	NR	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
	PORec	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
	PORel	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
Agregat Kasar LT = 0 Day On Hand = 0	GR	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
	OH	0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0
	NR	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
	PORec	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
	PORel	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
Air LT = 0 Day	GR	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
	OH	0	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0

Periode:		Juli										Agustus							
		22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6	7	8
On Hand = 0	NR	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
	PORec	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10
	PORel	19	21	19	18	23	21		19	22	14	11	13	16		13	14	12	10

Periode:		Agustus																	
		9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
U-Ditch LT = 1 Day On Hand = 0	GR	10	11		15	11	13	12	10	13		14	12	13	11	9	17		16
	OH	0	0		0	0	0	0	0	0		0	0	0	0	0	0		0
	NR	10	11		15	11	13	12	10	13		14	12	13	11	9	17		16
	PORec	10	11		15	11	13	12	10	13		14	12	13	11	9	17		16
	PORel	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
Wiremesh LT = 3 Days On Hand = 0	GR	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
	OH	0	0		0	0	0	0	0	0		0	0	0	0	0	0		0
	NR	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
	PORec	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
	PORel	13	12		10	13	14	12	13	11		9	17	16	13	14	14		11
Readymix LT = 0 Day On Hand = 0	GR	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
	OH	0	0		0	0	0	0	0	0		0	0	0	0	0	0		0
	NR	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
	PORec	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
	PORel	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
Semen LT = 0 Day On Hand = 0	GR	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
	OH	0	0		0	0	0	0	0	0		0	0	0	0	0	0		0
	NR	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
	PORec	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
	PORel	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13

Periode:		Agustus																	
		9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26
Agregat Halus LT = 0 Day On Hand = 0	GR	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
	OH	0	0		0	0	0	0	0	0		0	0	0	0	0	0		0
	NR	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
	PORec	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
	PORel	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
Agregat Kasar LT = 0 Day On Hand = 0	GR	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
	OH	0	0		0	0	0	0	0	0		0	0	0	0	0	0		0
	NR	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
	PORec	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
	PORel	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
Air LT = 0 Day On Hand = 0	GR	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
	OH	0	0		0	0	0	0	0	0		0	0	0	0	0	0		0
	NR	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
	PORec	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13
	PORel	11	15		11	13	12	10	13	14		12	13	11	9	17	16		13

Periode:		Agustus					September												
		27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13
U-Ditch LT = 1 Day On Hand = 0	GR	13	14	14	11	10		13	10	11	9	8	10		12	10	7	9	6
	OH	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
	NR	13	14	14	11	10		13	10	11	9	8	10		12	10	7	9	6
	PORec	13	14	14	11	10		13	10	11	9	8	10		12	10	7	9	6
	PORel	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12
Wiremesh LT = 3 Days	GR	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12
	OH	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
	NR	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12
	PORec	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12

Periode:		Agustus					September												
		27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13
On Hand = 0	PORel	10	13	10	11	9		8	10	12	10	7	9		6	12	12	10	9
	GR	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12
Readymix LT = 0 Day	OH	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
	NR	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12
On Hand = 0	PORec	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12
	PORel	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12
Semen LT = 0 Day	GR	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12
	OH	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
On Hand = 0	NR	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12
	PORec	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12
Agregat Halus LT = 0 Day	GR	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12
	OH	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
On Hand = 0	NR	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12
	PORec	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12
Agregat Kasar LT = 0 Day	GR	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12
	OH	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
On Hand = 0	NR	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12
	PORec	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12
Air LT = 0 Day	GR	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12
	OH	0	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0
On Hand = 0	NR	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12
	PORec	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6	12

Periode:	Agustus					September												
	27	28	29	30	31	1	2	3	4	5	6	7	8	9	10	11	12	13
	PORel	14	14	11	10	13		10	11	9	8	10	12		10	7	9	6

Periode:		September																	
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1
U-Ditch LT = 1 Day On Hand = 0	GR	12		12	10	9	11	5	12		13	13	12	10	8	10		8	9
	OH	0		0	0	0	0	0	0		0	0	0	0	0	0		0	0
	NR	12		12	10	9	11	5	12		13	13	12	10	8	10		8	9
	PORec	12		12	10	9	11	5	12		13	13	12	10	8	10		8	9
	PORel	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10
Wiremesh LT = 3 Days On Hand = 0	GR	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10
	OH	0		0	0	0	0	0	0		0	0	0	0	0	0		0	0
	NR	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10
	PORec	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10
	PORel	11		5	12	13	13	12	10		8	10	8	9	10	9		5	8
Readymix LT = 0 Day On Hand = 0	GR	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10
	OH	0		0	0	0	0	0	0		0	0	0	0	0	0		0	0
	NR	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10
	PORec	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10
	PORel	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10
Semen LT = 0 Day On Hand = 0	GR	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10
	OH	0		0	0	0	0	0	0		0	0	0	0	0	0		0	0
	NR	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10
	PORec	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10
	PORel	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10
Agregat Halus LT = 0 Day	GR	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10
	OH	0		0	0	0	0	0	0		0	0	0	0	0	0		0	0

Periode:		September																											
		14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	1										
On Hand = 0	NR	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10										
	PORec	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10										
	PORel	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10										
Agregat Kasar LT = 0 Day On Hand = 0	GR	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10										
	OH	0		0	0	0	0	0	0		0	0	0	0	0	0		0	0										
	NR	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10										
	PORec	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10										
	PORel	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10										
Air LT = 0 Day On Hand = 0	GR	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10										
	OH	0		0	0	0	0	0	0		0	0	0	0	0	0		0	0										
	NR	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10										
	PORec	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10										
	PORel	12		10	9	11	5	12	13		13	12	10	8	10	8		9	10										

Periode:		Oktober																	
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
U-Ditch LT = 1 Day On Hand = 0	GR	10	9	5	8		9	7	11	8	5	9		10	9	11	8	7	10
	OH	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0
	NR	10	9	5	8		9	7	11	8	5	9		10	9	11	8	7	10
	PORec	10	9	5	8		9	7	11	8	5	9		10	9	11	8	7	10
	PORel	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
Wiremesh LT = 3 Days On Hand = 0	GR	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
	OH	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0
	NR	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
	PORec	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
	PORel	9	7	11	8		5	9	10	9	11	8		7	10	12	8	10	9

Periode:		Oktober																	
		2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19
Readymix LT = 0 Day On Hand = 0	GR	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
	OH	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0
	NR	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
	PORec	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
	PORel	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
Semen LT = 0 Day On Hand = 0	GR	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
	OH	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0
	NR	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
	PORec	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
	PORel	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
Agregat Halus LT = 0 Day On Hand = 0	GR	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
	OH	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0
	NR	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
	PORec	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
	PORel	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
Agregat Kasar LT = 0 Day On Hand = 0	GR	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
	OH	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0
	NR	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
	PORec	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
	PORel	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
Air LT = 0 Day On Hand = 0	GR	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
	OH	0	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0
	NR	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
	PORec	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12
	PORel	9	5	8	9		7	11	8	5	9	10		9	11	8	7	10	12

Periode:		Oktober											November						
		20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6
U-Ditch LT = 1 Day On Hand = 0	GR		12	8	10	9	7	11		13	11	10	9	10	13		16	14	15
	OH		0	0	0	0	0	0		0	0	0	0	0	0		0	0	0
	NR		12	8	10	9	7	11		13	11	10	9	10	13		16	14	15
	PORec		12	8	10	9	7	11		13	11	10	9	10	13		16	14	15
	PORel		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
Wiremesh LT = 3 Days On Hand = 0	GR		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
	OH		0	0	0	0	0	0		0	0	0	0	0	0		0	0	0
	NR		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
	PORec		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
	PORel		7	11	13	11	10	9		10	13	16	14	15	12		10	14	17
Readymix LT = 0 Day On Hand = 0	GR		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
	OH		0	0	0	0	0	0		0	0	0	0	0	0		0	0	0
	NR		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
	PORec		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
	PORel		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
Semen LT = 0 Day On Hand = 0	GR		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
	OH		0	0	0	0	0	0		0	0	0	0	0	0		0	0	0
	NR		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
	PORec		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
	PORel		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
Agregat Halus LT = 0 Day On Hand = 0	GR		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
	OH		0	0	0	0	0	0		0	0	0	0	0	0		0	0	0
	NR		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
	PORec		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
	PORel		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
Agregat Kasar LT = 0 Day	GR		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
	OH		0	0	0	0	0	0		0	0	0	0	0	0		0	0	0

Periode:		Oktober											November						
		20	21	22	23	24	25	26	27	28	29	30	31	1	2	3	4	5	6
On Hand = 0	NR		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
	PORec		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
	PORel		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
Air LT = 0 Day On Hand = 0	GR		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
	OH		0	0	0	0	0	0		0	0	0	0	0	0		0	0	0
	NR		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
	PORec		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12
	PORel		8	10	9	7	11	13		11	10	9	10	13	16		14	15	12

Periode:		November																	
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
U-Ditch LT = 1 Day On Hand = 0	GR	12	10	14		17	16	10	15	12	13		15	13	14	16	11	13	
	OH	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0	
	NR	12	10	14		17	16	10	15	12	13		15	13	14	16	11	13	
	PORec	12	10	14		17	16	10	15	12	13		15	13	14	16	11	13	
	PORel	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16	
Wiremesh LT = 3 Days On Hand = 0	GR	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16	
	OH	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0	
	NR	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16	
	PORec	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16	
	PORel	16	10	15		12	13	15	13	14	16		11	13	16	13	12	14	
Readymix LT = 0 Day On Hand = 0	GR	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16	
	OH	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0	
	NR	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16	
	PORec	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16	
	PORel	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16	

Periode:		November																							
		7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24						
Semen LT = 0 Day On Hand = 0	GR	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16							
	OH	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0							
	NR	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16							
	PORec	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16							
	PORel	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16							
Agregat Halus LT = 0 Day On Hand = 0	GR	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16							
	OH	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0							
	NR	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16							
	PORec	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16							
	PORel	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16							
Agregat Kasar LT = 0 Day On Hand = 0	GR	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16							
	OH	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0							
	NR	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16							
	PORec	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16							
	PORel	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16							
Air LT = 0 Day On Hand = 0	GR	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16							
	OH	0	0	0		0	0	0	0	0	0		0	0	0	0	0	0							
	NR	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16							
	PORec	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16							
	PORel	10	14	17		16	10	15	12	13	15		13	14	16	11	13	16							

Periode:		November					
		25	26	27	28	29	30
U-Ditch LT = 1 Day On Hand = 0	GR	16	13	12	14	11	12
	OH	0	0	0	0	0	0
	NR	16	13	12	14	11	12

Periode:		November					
		25	26	27	28	29	30
	PORec	16	13	12	14	11	12
	PORel	13	12	14	11	12	
Wiremesh LT = 3 Days On Hand = 0	GR	13	12	14	11	12	
	OH	0	0	0	0	0	0
	NR	13	12	14	11	12	0
	PORec	13	12	14	11	12	0
	PORel	11	12	0			
Readymix LT = 0 Day On Hand = 0	GR	13	12	14	11	12	0
	OH	0	0	0	0	0	0
	NR	13	12	14	11	12	0
	PORec	13	12	14	11	12	0
	PORel	13	12	14	11	12	0
Semen LT = 0 Day On Hand = 0	GR	13	12	14	11	12	0
	OH	0	0	0	0	0	0
	NR	13	12	14	11	12	0
	PORec	13	12	14	11	12	0
	PORel	13	12	14	11	12	0
Agregat Halus LT = 0 Day On Hand = 0	GR	13	12	14	11	12	0
	OH	0	0	0	0	0	0
	NR	13	12	14	11	12	0
	PORec	13	12	14	11	12	0
	PORel	13	12	14	11	12	0
Agregat Kasar LT = 0 Day On Hand = 0	GR	13	12	14	11	12	0
	OH	0	0	0	0	0	0
	NR	13	12	14	11	12	0
	PORec	13	12	14	11	12	0
	PORel	13	12	14	11	12	0

Periode:		November					
		25	26	27	28	29	30
Air LT = 0 Day On Hand = 0	GR	13	12	14	11	12	0
	OH	0	0	0	0	0	0
	NR	13	12	14	11	12	0
	PORec	13	12	14	11	12	0
	PORel	13	12	14	11	12	0

Lampiran 3 Dokumentasi di PT. Semar Beton PerkasaSurvei Tempat
Produksi Precast



Molding Precast



Letak Besi Wiremesh



Letak Produk Dan Cetakan Yang Tidak Dipakai



Area Produksi



Lampiran 4 Surat Edorsement Leter Dari Pusat Bahasa



ENDORSEMENT LETTER

668/PB-UMS/EL/VII/2024

This letter is to certify that the abstract of the thesis below

Title : Application of Material Requirements Planning in Control of Raw Material Inventory for Reinforcement Steel at PT. Semar Beton Perkasa
Student's name : Khalif Fatikhul Baldani
Student's ID Number : 20201336017
Department : Industrial Engineering, Undergraduate, Faculty of Engineering, Universitas Muhammadiyah Surabaya, Indonesia

has been endorsed by Pusat Bahasa *UMSurabaya* for further approval by the examining committee of the faculty.

Surabaya, July 23, 2024
Chair person,

Dr. Waode Hamsia, M.Pd

The signature is written in a cursive, handwritten style in black ink. To the left of the signature is a circular blue stamp of Universitas Muhammadiyah Surabaya, partially overlapping the signature.

Lampiran 5 Surat Keterangan Bebas Pinjam Perpustakaan



Perpustakaan

ASLI

FM-002-PERPUS-07

SURAT KETERANGAN BEBAS PINJAM

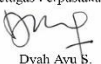
Dengan ini menyatakan bahwa :

Nama : Khalif Fatikhul Baldani
NIM : 20201336017
Program Studi/Fakultas : (S1) Teknik Industri/Fakultas Teknik
Alamat : Rt. 07. Rw. 02 Dsn. Banjaran Ds. Turi Kec. Maduran Kab. Lamongan
Jawa Timur
No.Telp/HP : 089510592645

Tidak memiliki pinjaman bahan pustaka di Perpustakaan Universitas Muhammadiyah Surabaya.
Surat keterangan ini digunakan untuk: **Mengambil Ijazah**

Mengetahui,
Kepala Perpustakaan

Drs. Farno, M.Pd.

Surabaya, 16 Juli 2024
Petugas Perpustakaan

Dyah Ayu S.

Lampiran 6 Surat Keterangan Bebas Plagiasi



Perpustakaan



SURAT KETERANGAN BUKTI BEBAS PLAGIASI

Naskah tugas akhir / skripsi / karya tulis / tesis*) yang diserahkan atas :

N a m a : Khalif Fatikhul Baldani
N I M : 20201336017
Fakultas/Prodi : Fakultas Teknik (S1) Teknik Industri
Alamat : Dsn. Banjaran Ds. Turi RT. 07 RW. 02 Kec. Maduran Kab. Lamongan
Judul : PENERAPAN MATERIAL REQUIREMENTS PLANNING DALAM
PENGENDALIAN PERSEDIAAN BAHAN BAKU BESI TULANGAN PADA PT. SEMAR
BETON PERKASA
telah **diserahkan dan memenuhi kriteria** batas maksimal yang sudah ditentukan.

Petugas perpustakaan

Putri Rokhmawati

Surabaya, 23 Juli 2024
Mahasiswa,

Khalif Fatikhul Baldani

Mengetahui,
Kepala Perpustakaan

Drs. Yarno, M.Pd.

***) DILARANG KERAS MENYEBARLUASKAN FORM INI**

BIOGRAFI PENULIS



Khalif Fatikhul Baldani lahir di Lamongan pada hari Jum'at 17 Mei 2002. Anak kedua dari tiga bersaudara, putra dari bapak Na'im dan ibu Suni'ah. Telah menempuh Pendidikan di SD 01 Pangkatrejo, SMP Negeri 1 Maduran, dan SMA Negeri 1 Lamongan, yang seluruh pendidikannya ditempuh dengan tepat waktu. Kemudian dilanjutkan menempuh Pendidikan Sarjana pada tahun 2020 di Universitas Muhammadiyah Surabaya mengambil program studi S1 teknik Industri yang akan lulus dan mengikuti wisuda pada tahun

2024. Selama proses perkuliahan berlangsung penulis juga aktif mengikuti kegiatan non-akademik dan menjadi wakil ketua Himpunan Mahasiswa Teknik Industri atau HMIMS selama periode 2023 dan telah melaksanakan kegiatan Kerja Praktek Industri di PT. Semar Beton Perkasa yang berlokasi di Kabupaten Tuban selama 1 bulan.

Email : khaliffatikhul@gmail.com



PT. SEMAR BETON PERKASA
READY MIX & PRECAST

SURAT PERNYATAAN
Nomor : 0086/SBP-Precast/VI/2024

Dengan ini menyatakan bahwa

Mahasiswa dibawah ini telah melakukan penelitian guna kepentingan penyelesaian tugas akhir bertempat di PT. SEMAR BETON PERKASA yang beralamat di JL. Raya Tuban-Babat Km 11 Ds. Minohorejo Kec. Widang Tuban.

Nama : KHALIF FATIKHUL BALDANI
NIM : 20201336017
Instansi : Universitas Muhammadiyah Surabaya
Judul : Penerapan Material Requirements Planning Dalam Pengendalian Persediaan Bahan Baku Besi Tulangan Pada PT. Semar Beton Perkasa

Demikian surat pernyataan ini kami sampaikan atas perhatiannya kami ucapkan terimakasih.

Tuban, 06 Juni 2024
PT.Semar Beton Perkasa

