

Nomor FSD : FSD/06/21/05  
Hal. Ke / Total Hal. : 1/10  
Nomor URD & RFP : URD/05/21/05 & RFP/05/21/05

**History Perubahan Dokumen**

Versi	Referensi	Tanggal	Subjek	Detail Perubahan
1	User Requirements	18/6/2021	ALL	New

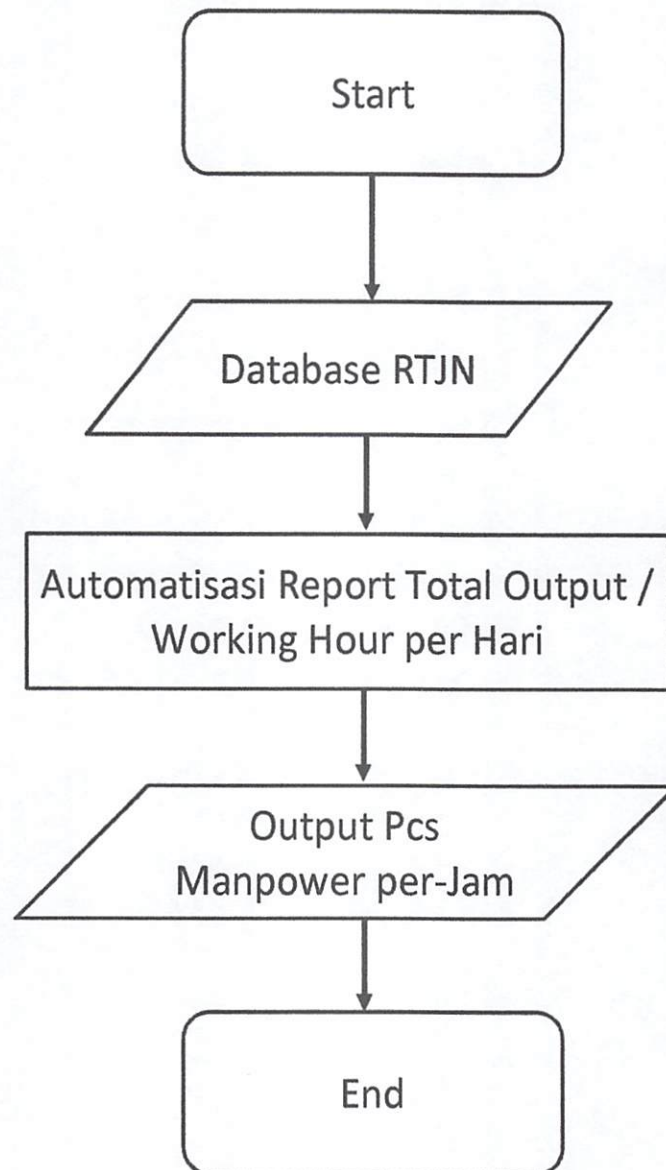
Nomor FSD : FSD/06/21/05  
Hal. Ke / Total Hal. : 2/10  
Nomor URD & RFP : URD/05/21/05 & RFP/05/21/05

**Daftar Isi Dokumen**

- 1 Change History
- 2 Table Of Content
- 3 Flowchart
- 4 System Condition
- 5 Output
- 6 Data Description
- 7 Action Control
- 8 Design Program
- 9 Timeline
- 10 Signof

Nomor FSD : FSD/06/21/05  
Hal. Ke / Total Hal. : 3/10  
Nomor URD & RFP : URD/05/21/05 & RFP/05/21/05  
Nama Flowchart : OPMJ (Output Pcs Manpower Per-jam)

**Design program**



Nomor FSD : FSD/06/21/05  
Hal. Ke / Total Hal. : 4/10  
Nomor URD & RFP : URD/05/21/05 & RFP/05/21/05  
Judul System Condition : OPMJ (Output Pcs Manpower Per-Jam)

**Daftar level user**

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**Daftar hak akses**

*View Data Output Pcs Man Power per-Jam*

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**Daftar Formula**

*Total Ouput per-Hari / Working Hour (Net) per-Hari*

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**Kondisi Lain / Special Case**

*Menampilkakn Notifikasi warna pada kondisi - kondisi tertentu*

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Silakan dijelaskan secara rinci dari point-point yang sudah disebutkan diatas !

**Penjelasan Rinci Level user, hak akses dan special case**

HARIAWASE - A (Tot. 50 Opr. /kolom) ↔					
H	Opr. 1	Opr. 2	Opr. 3	Opr. 4	Opr. 5
1	5	3	10	12	15
2	16	7	17	9	8
3					
4					
5					
6					
7					

**Visual bold Warna / Range Output**

Merah : 0 - 5  
Kuning : 6 - 10  
Hijau : 11 - 15  
Biru > 15

**Tampilan : Output / Pcs / Jam**

RUMUS :  $\frac{\text{Total Output /Hari}}{\text{Working Hour (Net) / Hari}}$

**Base Data**

Double Sheet, Hariawase, Hariawase Awal, Hariawase Polycarbon,  
Pasang Ag Protection Sht, Pasang Anti Bacteri Film, Pasang EMI  
Shield, Pasang Overlay, Pasang Smoke Sheet, Pasang UV Cut Film



[illegible]



[illegible]

Nomor FSD : FSD/06/21/05  
Hal. Ke / Total Hal. : 7/10  
Nomor URD & RFP : URD/05/21/05 & RFP/05/21/05  
Nama Fitur : Filter Date dan filter berdasarkan Type secara periodik, dan Download

**Daftar action control program**

**Lampiran list fungsi fitur**

☐ 23 Juni 2021 ▼

☐ TP-3157S3F0 ▼

Date	SHIFT-1							SHIFT-2							SHIFT-3						
	Opr. 1	Opr. 2	Opr. 3	Opr. 4	Opr. 5	Opr. 6	Opr...	Opr. 1	Opr. 2	Opr. 3	Opr. 4	Opr. 5	Opr. 6	Opr...	Opr. 1	Opr. 2	Opr. 3	Opr. 4	Opr. 5	Opr. 6	Opr...
1	8	11	9	4	11	20	10	5	12	8	15	13	20	7	8	11	9	4	11	20	10
2	5	12	8	15	13	20	7	3	4	11	12	15	13	6	5	12	8	15	13	20	7
3	3	4	11	12	15	13	6	8	11	9	4	11	20	10	3	4	11	12	15	13	6

☐ 23 Juni 2021 ▼

☐ TP-3157S3F0 ▼

1. Filter data Output Pcs Manpower per jam Berdasarkan tanggal Periodik selama 1 Bulan
2. Filter data Output Pcs Manpower per jam Berdasarkan Type untuk per tanggalnya



Nomor FSD :  
Hal. Ke / Total Hal. :  
Nomor URD & RFP :  
Nama Fitur :

: FSD/06/21/05  
: 8/10  
: URD/05/21/05 & RFP/05/21/05  
: Output data OPMJ realtime dan filter berdasarkan Date dan Type

Design program

23 Juni 2021 TP-315753P0 Search Download

**MONITORING OUTPUT PCS MANPOWER PER-JAM**

H	GRUP A (Hariase)																																							
	Opr1	Opr2	Opr3	Opr4	Opr5	Opr6	Opr7	Opr8	Opr9	Opr10	Opr11	Opr12	Opr13	Opr14	Opr15	Opr16	Opr17	Opr18	Opr19	Opr20	Opr21	Opr22	Opr23	Opr24	Opr25	Opr26	Opr27	Opr28	Opr29	Opr30	Opr31	Opr32	Opr33	Opr34	Opr35	Opr36	Opr37	Opr38	Opr39	Opr40
1	8	11	9	4	11	20	10	8	11	9	11.1	11.3	11.5	11.7	11.9	12.1	12.26	12.45	12.64	12.8	13.01	13.2	13.4	13.6	13.76	13.95	14.14	14.33	14.52	14.7	14.9	15.08	15.3	15.455	15.642	15.83	16.018	16.206	16.394	16.582
2	5	12	8	15	18	20	7	5	12	8	10.7	10.6	10.5	10.5	10.4	10.4	10.3	10.24	10.18	10.1	10.06	10	9.94	9.88	9.818	9.758	9.697	9.636	9.576	9.52	9.45	9.394	9.33	9.2727	9.2121	9.1515	9.0909	9.0303	8.9697	8.9091
3	8	11	9	4	11	20	10	8	11	9	11.1	11.3	11.5	11.7	11.9	12.1	12.26	12.45	12.64	12.8	13.01	13.2	13.4	13.6	13.76	13.95	14.14	14.33	14.52	14.7	14.9	15.08	15.3	15.455	15.642	15.83	16.018	16.206	16.394	16.582
4	8	11	9	4	11	20	10	8	11	9	11.1	11.3	11.5	11.7	11.9	12.1	12.26	12.45	12.64	12.8	13.01	13.2	13.4	13.6	13.76	13.95	14.14	14.33	14.52	14.7	14.9	15.08	15.3	15.455	15.642	15.83	16.018	16.206	16.394	16.582
5	5	12	8	15	18	20	7	5	12	8	10.7	10.6	10.5	10.5	10.4	10.4	10.3	10.24	10.18	10.1	10.06	10	9.94	9.88	9.818	9.758	9.697	9.636	9.576	9.52	9.45	9.394	9.33	9.2727	9.2121	9.1515	9.0909	9.0303	8.9697	8.9091
6	8	11	9	4	11	20	10	8	11	9	11.1	11.3	11.5	11.7	11.9	12.1	12.26	12.45	12.64	12.8	13.01	13.2	13.4	13.6	13.76	13.95	14.14	14.33	14.52	14.7	14.9	15.08	15.3	15.455	15.642	15.83	16.018	16.206	16.394	16.582
7	8	11	9	4	11	20	10	8	11	9	11.1	11.3	11.5	11.7	11.9	12.1	12.26	12.45	12.64	12.8	13.01	13.2	13.4	13.6	13.76	13.95	14.14	14.33	14.52	14.7	14.9	15.08	15.3	15.455	15.642	15.83	16.018	16.206	16.394	16.582
8	5	12	8	15	18	20	7	5	12	8	10.7	10.6	10.5	10.5	10.4	10.4	10.3	10.24	10.18	10.1	10.06	10	9.94	9.88	9.818	9.758	9.697	9.636	9.576	9.52	9.45	9.394	9.33	9.2727	9.2121	9.1515	9.0909	9.0303	8.9697	8.9091
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10	8	11	9	4	11	20	10	8	11	9	11.1	11.3	11.5	11.7	11.9	12.1	12.26	12.45	12.64	12.8	13.01	13.2	13.4	13.6	13.76	13.95	14.14	14.33	14.52	14.7	14.9	15.08	15.3	15.455	15.642	15.83	16.018	16.206	16.394	16.582

GRUP B (Hariase)																																								
H	Opr1	Opr2	Opr3	Opr4	Opr5	Opr6	Opr7	Opr8	Opr9	Opr10	Opr11	Opr12	Opr13	Opr14	Opr15	Opr16	Opr17	Opr18	Opr19	Opr20	Opr21	Opr22	Opr23	Opr24	Opr25	Opr26	Opr27	Opr28	Opr29	Opr30	Opr31	Opr32	Opr33	Opr34	Opr35	Opr36	Opr37	Opr38	Opr39	Opr40
1	8	11	9	4	11	20	10	8	11	9	11.1	11.3	11.5	11.7	11.9	12.1	12.26	12.45	12.64	12.8	13.01	13.2	13.4	13.6	13.76	13.95	14.14	14.33	14.52	14.7	14.9	15.08	15.3	15.455	15.642	15.83	16.018	16.206	16.394	16.582
2	5	12	8	15	18	20	7	5	12	8	10.7	10.6	10.5	10.5	10.4	10.4	10.3	10.24	10.18	10.1	10.06	10	9.94	9.88	9.818	9.758	9.697	9.636	9.576	9.52	9.45	9.394	9.33	9.2727	9.2121	9.1515	9.0909	9.0303	8.9697	8.9091
3	8	11	9	4	11	20	10	8	11	9	11.1	11.3	11.5	11.7	11.9	12.1	12.26	12.45	12.64	12.8	13.01	13.2	13.4	13.6	13.76	13.95	14.14	14.33	14.52	14.7	14.9	15.08	15.3	15.455	15.642	15.83	16.018	16.206	16.394	16.582
4	8	11	9	4	11	20	10	8	11	9	11.1	11.3	11.5	11.7	11.9	12.1	12.26	12.45	12.64	12.8	13.01	13.2	13.4	13.6	13.76	13.95	14.14	14.33	14.52	14.7	14.9	15.08	15.3	15.455	15.642	15.83	16.018	16.206	16.394	16.582
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7	8	11	9	4	11	20	10	8	11	9	11.1	11.3	11.5	11.7	11.9	12.1	12.26	12.45	12.64	12.8	13.01	13.2	13.4	13.6	13.76	13.95	14.14	14.33	14.52	14.7	14.9	15.08	15.3	15.455	15.642	15.83	16.018	16.206	16.394	16.582
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H	GRUP C (Hariawase)																																							
	Opr1	Opr2	Opr3	Opr4	Opr5	Opr6	Opr7	Opr8	Opr9	Opr10	Opr11	Opr12	Opr13	Opr14	Opr15	Opr16	Opr17	Opr18	Opr19	Opr20	Opr21	Opr22	Opr23	Opr24	Opr25	Opr26	Opr27	Opr28	Opr29	Opr30	Opr31	Opr32	Opr33	Opr34	Opr35	Opr36	Opr37	Opr38	Opr39	Opr40
1	8	11	9	4	11	20	10	8	11	9	11.1	11.3	11.5	11.7	11.9	12.1	12.26	12.45	12.64	12.8	13.01	13.2	13.4	13.6	13.76	13.95	14.14	14.33	14.52	14.7	14.9	15.08	15.3	15.455	15.642	15.83	16.018	16.206	16.394	16.582
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Nomor FSD : FSD/06/21/05  
Hal. Ke / Total Hal. : 9/10  
Nomor URD & RFP : URD/05/21/05 & RFP/05/21/05  
Nama Fitur : Output data OPMJ realtime dan filter berdasarkan Date dan Type

**1. Development Program**

Jumlah : 1.1 bulan

<u>Plan Start :</u>	<u>Plan Finish :</u>
<u>Actual Start :</u>	<u>Actual Finish :</u>

**2. Sistem Integration Test (SIT)**

Jumlah : 3 hari

<u>Plan Start :</u>	<u>Plan Finish :</u>
<u>Actual Start :</u>	<u>Actual Finish :</u>

**3. User Acceptance Test (UAT)**

Jumlah : 5 hari

<u>Plan Start :</u>	<u>Plan Finish :</u>
<u>Actual Start :</u>	<u>Actual Finish :</u>

**4. System User Guide (SUG)**

Jumlah : 1 hari

<u>Plan Start :</u>	<u>Plan Finish :</u>
<u>Actual Start :</u>	<u>Actual Finish :</u>

**5. Application Training (AT)**

Jumlah : 2 hari

<u>Plan Start :</u>	<u>Plan Finish :</u>
<u>Actual Start :</u>	<u>Actual Finish :</u>

**6. Standard Operation Manual (SOM)**

Jumlah : 1 hari

<u>Plan Start :</u>	<u>Plan Finish :</u>
<u>Actual Start :</u>	<u>Actual Finish :</u>

**7. Life Impementation (LI)**

Jumlah : 2 hari

<u>Plan Start :</u>	<u>Plan Finish :</u>
<u>Actual Start :</u>	<u>Actual Finish :</u>

**Timeline Pengembangan Aplikasi**

**1. Application System Development**

Jumlah : 1.1 Bulan

Plan :

Actual :

**2. Programmer Test (PT)**

Jumlah : 3 Hari

Plan :

Actual :

**3. User Acceptance Test (UAT)**

Jumlah : 5 Hari

Plan :

Actual :

**4. Petunjuk Kerja (PK)**

Jumlah : 1 Hari

Plan :

Actual :

**5. Application Training (AT)**

Jumlah : 2 Hari

Plan :

Actual :

**6. Go-Live Application (GLA)**

Jumlah : 2 Hari

Plan :

Actual :

**7. Function Evaluation (FE)**

Jumlah : 2 Hari

Plan :

Actual :



Nomor FSD

Hal. Ke / Total Hal.

Nomor URD & RFP

Nama Fitur

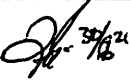



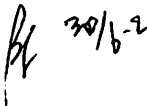
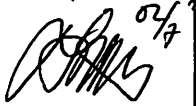
: FSD/06/21/05

: 10/10

: URD/05/21/05 & RFP/05/21/05

: Output data OPMJ realtime dan filter berdasarkan Date dan Type

Lembar Pengesahan Functional Specification Document (DFS)

Peran	Mengesahkan	ttd	Mengesahkan	ttd
Manufacture Production	EKO Z		SULTON	
Project Head	EKO Z		IKBAL M	
Dept. Head	BUDHIARSO		PATODI	

FORM PENGUKURAN KAPASITAS DAN Pengerjaan Software

A. LIST FITUR DAN FUNGSI SOFTWARE

No. FP : FP/06/21/01  
Request dari Dept. : Manufacture Production  
PIC (Developer) : Sulton Matin

No. Helpdesk : FSD/06/21/05  
Nama Program : Output PCS Manpower Per Jam  
Tgl. Dokumen : 28 Juni 2021

Pilihan Tipe Komponen : [1]. Tipe Input [2]. Tipe Output [3]. Tipe Query [4]. Tipe File [5]. Tipe Interface

Pilihan Level Fungsi : [1]. Sederhana [2]. Menengah [3]. Kompleks

No.	Fitur	No.	Fungsi (transaksi user dengan sistem)	Tipe Komponen	Level Fungsi
1	Output Data Man Power Realtime	1	View Data Output operator selama 1 Bulan	Tipe Output	Kompleks
		2	View Data Output operator berdasarkan type	Tipe Output	Kompleks
		3	View Data Output operator berdasarkan Group A,B,C	Tipe Output	Kompleks
		4	Get load data auto refresh 1 Menit	Tipe Query	Sederhana
		5	Get load output Operator per-hari (Default view)	Tipe Query	Kompleks
		6	Get load output Operator per-type (Default view)	Tipe Query	Kompleks
2	Notifikasi Warna	1	View Data Output operator dengan notification Color	Tipe Output	Menengah
3	Filter Data Output berdasarkan Date & Type	1	Get load data hasil filter date (Tombol search)	Tipe Query	Menengah
		2	Get load data hasil filter type (Tombol search)	Tipe Query	Menengah
4	Export Data	1	Download Data	Tipe Query	Menengah
		2	Hasil download file Excel	Tipe File	Menengah
Total				11	11



B. HITUNG PENGUKURAN KAPASITAS DAN WAKTU Pengerjaan Software

Crude Function Points (CFP)

No.	Tipe Komponen	Bobot dan Jumlah Point					
		Sederhana		Menengah		Kompleks	
1	Tipe Input		3		4		6
2	Tipe Output		4	1	5	3	7
3	Tipe Query	1	3	3	4	2	6
4	Tipe File/Table/Database		7	1	10		15
5	Tipe Interface Eksternal		6		7		10
TOTAL		3		27		33	
		Total Point CFP					63

Relative Complexity Adjustment Factor (RCAF)

[1]. Sangat Sederhana, [2]. Sederhana, [3]. Menengah, [4]. Kompleks, [5]. Sangat Kompleks, jika tidak ada dikosongkan

No.	Karakteristik	Bobot (1 s/d 5)
1	Tingkat Kompleksitas Komunikasi Data	1
2	Tingkat Kompleksitas Pemrosesan Terdistribusi	4
3	Tingkat Kompleksitas Performa	1
4	Tingkat Kompleksitas Konfigurasi	2
5	Tingkat Frekuensi Penggunaan Software	5
6	Tingkat Frekuensi Input Data	
7	Tingkat Kemudahan Penggunaan Bagi User	5
8	Tingkat Frekuensi Update Data	
9	Tingkat Kompleksitas Prosesing Data	5
10	Tingkat Kemungkinan Penggunaan Kembali/Reusable Kode Program	5
11	Tingkat Kemudahan Dalam Instalasi	4
12	Tingkat Kemudahan Operasional Software (backup, recovery, dsbny)	1
13	Tingkat Software dibuat untuk multi Organisasi/Perusahaan/Client	1
14	Tingkat Kompleksitas dalam mengikuti perubahan/fleksibel	1
Total Point RCAF		35

Function Point	63
Jam/ Man Power (Kompt. Developer)	113.40
Minggu	3.0
Mingu (Kapasitas Develop 60%)	4.2
Bulan	1.1

Dibuat	Diperiksa	Disetujui
