

## DAFTAR GAMBAR

	<b>Halaman</b>
Gambar 2.1 Struktur Organisasi.....	7
Gambar 3.1 Double Acting Cylinder.....	10
Gambar 3.2 Double Acting Cylinder.....	10
Gambar 3.3 Electric Linear Drive.....	10
Gambar 3.4 Box Simulator.....	11
Gambar 3.5 Sensor Fiber Optic.....	11
Gambar 3.6 Air Service Unit.....	12
Gambar 3.7 Monometer.....	12
Gambar 3.8 Tabung Filter Air Service Unit.....	12
Gambar 3.9 Power Suplay.....	13
Gambar 3.10 Profil Plate.....	13
Gambar 3.11 Control Panel.....	14
Gambar 3.12 Cable Channel.....	14
Gambar 3.13 PLC Festo FC660.....	14
Gambar 3.14 Compressor.....	15
Gambar 3.15 Cable RS 232.....	15
Gambar 3.16 Sensor Magnetic.....	15
Gambar 3.17 Din Rail.....	16
Gambar 3.18 Selang Angin Pneumatic.....	16
Gambar 3.19 Syslink Cable.....	16
Gambar 3.20 Workpiece.....	17
Gambar 3.21 Input-Output Module.....	17
Gambar 3.22 Stack Magazine.....	17

Gambar 3.23 Sensor Fiber Optic.....	18
Gambar 3.24 Power Suplay.....	18
Gambar 3.25 Profil Plate.....	19
Gambar 3.26 Manometer.....	19
Gambar 3.27 Tabung Air Service Unit.....	20
Gambar 3.28 Valve Selenoid.....	20
Gambar 3.29 Double Acting Cylinder.....	21
Gambar 3.30 Single Acting Cylinder.....	21
Gambar 3.31 Input-Output Module.....	21
Gambar 3.32 Cable Channel.....	22
Gambar 3.33 PLC Festo FC660.....	23
Gambar 3.36 Cable RS 232.....	23
Gambar 3.37 Selang Angin Pneumatic.....	24
Gambar 3.38 Sensor Magnetic.....	24
Gambar 3.39 Fitting.....	24
Gambar 3.40 Retro-Reflective Sensor.....	25
Gambar 3.41 Conveor.....	25
Gambar 3.42 Sensor Induktif.....	26
Gambar 3.43 Relay.....	26
Gambar 3.44 Control Panel.....	27
Gambar 3.45 Syslink Cable.....	27
Gambar 3.46 Compressor.....	27
Gambar 4.1 Sistem Komponen PLC.....	29
Gambar 4.2 Membuka Software FST4.21 Melalui Star Menu.....	35
Gambar 4.3 Tampilan Awal Software FST4.21.....	35
Gambar 4.4 Membuat Project Baru Di Software FST4.21.....	36
Gambar 4.5 Membuat Project Baru Di Software FST4.21.....	36
Gambar 4.6 Settingan Awal Project.....	37
Gambar 4.7 Controller Setting Project.....	37
Gambar 4.8 Setting IO Configuration.....	38
Gambar 4.9 Setting Cabel Komunikasi.....	38

Gambar 4.10 Inialisasi Input-Output MPS Handling Station.....	39
Gambar 4.11 Ladder Diagram F0.10, F0.1 Dan F0.2.....	41
Gambar 4.12 Ladder Diagram F0.3, F0.4 Dan F0.5.....	42
Gambar 4.13 Ladder Diagram F0.6, F0.7.....	42
Gambar 4.14 Ladder Diagram F0.7, F0.8, F0.9, TON0 Dan TON1.....	43
Gambar 4.15 Ladder Diagram Pengaktifan Inisial Output.....	44
Gambar 4.16 Ladder Diagram Pengaktifan Inisial Output.....	44
Gambar 4.17 Inialisasi Input-Output MPS Sorting Station O0.0.....	46
Gambar 4.18 Ladder Diagram F0.1, TON1, Dan F0.2.....	47
Gambar 4.19 Ladder Diagram F0.3, F0.4 Dan F0.5.....	48
Gambar 4.20 Ladder Diagram F0.6, F0.7 Dan F0.8.....	49
Gambar 4.21 Ladder Diagram F0.9, F0.10 Dan F0.11.....	50
Gambar 4.22 Ladder Diagram Pengaktifan Inisial Output.....	51
Gambar 4.23 Sistem Kerja MPS Handling Dan Sorting.....	53

