

## DAFTAR GAMBAR

Gambar 1.1 <i>Decline Curve</i> .....	2
Gambar 1.2 Wilayah kerja PT. Pertamina EP .....	4
Gambar 1.3 Wilayah Kerja PT. Pertamina EP Tambun Field .....	5
Gambar 2.1 Instalasi ESP .....	8
Gambar 2.2 <i>Wellhead</i> ESP .....	9
Gambar 2.3 <i>Electric Motor</i> .....	11
Gambar 2.4 Gas Separator .....	12
Gambar 2.5 <i>Submersible Pump</i> .....	13
Gambar 2.6 Kurva IPR .....	17
Gambar 2.7 <i>Friction Loss Chart for Tubing</i> .....	21
Gambar 2.9 <i>Pump performance Curve</i> .....	25
Gambar 3.1 <i>Gantt Chart</i> Pelaksanaan TA .....	29
Gambar 3.2 <i>Flow Chart</i> Perencanaan ESP .....	30
Gambar 4.1 <i>Well Profile</i> PDM-14 .....	33
Gambar 4.2 <i>Compresibility Factor Chart</i> .....	36
Gambar 4.3 Kurva IPR sumur PDM-14 .....	41
Gambar 4.4 <i>Pump Setting Depth</i> .....	42
Gambar 4.5 Komponen TDH .....	43
Gambar 4.6 <i>Friction loss chart</i> Tubing 3-1/2" .....	44
Gambar 4.7 Tipe ESP <i>desain rate</i> 200-650 bpd .....	46
Gambar 4.8 <i>Pump Curve</i> ESP D460N .....	46
Gambar 4.9 <i>Pump</i> D460N <i>allowed stages</i> .....	47
Gambar 4.10 Katalog Motor .....	48
Gambar 4.11 <i>Cable Voltage Drop</i> .....	49