

DAFTAR ISI

HALAMAN PENGESAHAN	Error! Bookmark not defined.
PERNYATAAN BEBAS PLAGIASI	Error! Bookmark not defined.
SURAT PERNYATAAN KEBENARAN DOKUMEN	Error! Bookmark not defined.
PERSEMBAHAN	Error! Bookmark not defined.
KATA PENGANTAR	Error! Bookmark not defined.
ABSTRACT	Error! Bookmark not defined.
INTISARI	Error! Bookmark not defined.
DAFTAR ISI	i
DAFTAR TABEL	iii
DAFTAR GAMBAR	iv
DAFTAR LAMPIRAN	vi
BAB I PENDAHULUAN	Error! Bookmark not defined.
1.1 Latar Belakang.....	Error! Bookmark not defined.
1.2 Rumusan Masalah	Error! Bookmark not defined.
1.3 Batasan Masalah	Error! Bookmark not defined.
1.4 Tujuan Penelitian.....	Error! Bookmark not defined.
1.5 Manfaat Penelitian.....	Error! Bookmark not defined.
1.6 Sistematika Penulisan.....	Error! Bookmark not defined.
BAB II TINJAUAN PUSTAKA DAN DASAR TEORI	Error! Bookmark not defined.
2.1 Tinjauan Pustaka	Error! Bookmark not defined.
2.2 <i>Wheel Loader</i> WA350-3.....	Error! Bookmark not defined.
2.3 Sistem Hidrolik Pada Alat Berat	Error! Bookmark not defined.
2.4 Pompa Hidrolik	Error! Bookmark not defined.
2.5 Prinsip Kerja Pompa Hidrolik	Error! Bookmark not defined.
2.6 <i>Control Valve</i>	Error! Bookmark not defined.
2.7 <i>Pressure Gauge</i>	Error! Bookmark not defined.
2.8 <i>Troubleshooting</i>	Error! Bookmark not defined.
2.9 <i>Downtime</i>	Error! Bookmark not defined.
2.10 Metode Kualitatif.....	Error! Bookmark not defined.

2.11	<i>Root Cause Analysis (RCA)</i>	Error! Bookmark not defined.
2.12	<i>Fishbone Diagram</i>	Error! Bookmark not defined.
BAB III METODE PENELITIAN		Error! Bookmark not defined.
3.1	Lokasi dan Waktu Penelitian	Error! Bookmark not defined.
3.2	Alat dan Bahan Penelitian	Error! Bookmark not defined.
3.3	Tahapan Penelitian	Error! Bookmark not defined.
3.4	Analisa Data	Error! Bookmark not defined.
3.5	Hipotesis	Error! Bookmark not defined.
BAB IV HASIL PENELITIAN DAN PEMBAHASAN		Error! Bookmark not defined.
4.1	Pemeriksaan Awal	Error! Bookmark not defined.
4.2	Perbaikan	Error! Bookmark not defined.
4.3	Hasil Tekanan Sebelum dan Sesudah Perbaikan	Error! Bookmark not defined.
4.4	<i>Root Cuase Analysis</i>	Error! Bookmark not defined.
4.5	<i>Analisis Fishbone</i>	Error! Bookmark not defined.
4.5.1	<i>Fishbone Gerakan Lifting dan Dumping</i> lambat	Error! Bookmark not defined.
4.5.2	<i>Fishbone Steering</i> tidak responsif	Error! Bookmark not defined.
4.5.3	<i>Fishbone Kebocoran Oli</i>	Error! Bookmark not defined.
4.5.4	<i>Fishbone Drive Gear</i> aus	Error! Bookmark not defined.
BAB V KESIMPULAN DAN SARAN		Error! Bookmark not defined.
5.1	Kesimpulan	Error! Bookmark not defined.
5.2	Saran	Error! Bookmark not defined.
DAFTAR PUSTAKA		Error! Bookmark not defined.
LAMPIRAN		Error! Bookmark not defined.

DAFTAR TABEL

Tabel 2.1 Perbandingan <i>Root Cause Analysis</i> (RCA) dan <i>Fishbone Diagram</i>	19
Tabel 3.1 Parameter dan Standar Pemeriksaan Sistem Hidrolik.....	Error! Bookmark not defined.
Tabel 3.2 Standar Program Analisa Pelumas (PAP) Oli Hidrolik ...	Error! Bookmark not defined.
Tabel 4.1 Hasil Pemeriksaan Awal Unit.....	Error! Bookmark not defined.
Tabel 4.2 Wawancara Pihak-Pihak Terkait.....	Error! Bookmark not defined.
Tabel 4.3 <i>Shop Manual</i> (Komatsu,1997)	Error! Bookmark not defined.
Tabel 4.4 Data Tekanan <i>Lifting</i>	Error! Bookmark not defined.
Tabel 4.5 Data Tekanan <i>Dumping</i>	Error! Bookmark not defined.
Tabel 4.6 Data Tekanan <i>Steering</i>	Error! Bookmark not defined.
Tabel 4.7 Diagram <i>Fishbone</i>	Error! Bookmark not defined.

DAFTAR GAMBAR

Gambar 2.1 <i>Wheel Loader</i> Komatsu WA350-3 (www.amazonaws.com)	Error!
Bookmark not defined.	
Gambar 2.2 Sirkuit Dasar Sistem Hidrolik (www.ciptahydropower.com)	Error!
Bookmark not defined.	
Gambar 2.3 Pompa Hidrolik <i>Gear</i> (www.researchgate.net)	Error! Bookmark not defined.
Gambar 2.4 Komponen-Komponen Pompa <i>Gear</i> (www.scribd.com)	Error!
Bookmark not defined.	
Gambar 2.5 Pompa Hidrolik <i>Vane</i> (www.ferindo.id)	Error! Bookmark not defined.
Gambar 2.6 Pompa Piston <i>Aksial</i> (www.hydraulicpump-suppliers.com)	Error!
Bookmark not defined.	
Gambar 2.7 Pompa Piston <i>Radial</i> (www.mech.poriyaan.in)	Error! Bookmark not defined.
Bookmark not defined.	
Gambar 2.8 Alur Kerja Sistem Hidrolik	Error! Bookmark not defined.
Gambar 2.9 <i>Control Valve</i>	Error! Bookmark not defined.
Gambar 2.10 <i>Pressure Gauge</i> (www.jualpompaindustri.com).	Error! Bookmark not defined.
Bookmark not defined.	
Gambar 2.11 Contoh Diagram <i>Fishbone</i> (Sulianta 2024)	Error! Bookmark not defined.
Bookmark not defined.	
Gambar 3.1 Diagram Alir (<i>Flowchart</i>)	Error! Bookmark not defined.
Gambar 4.1 Pelepasan <i>Hose</i> Hidrolik	Error! Bookmark not defined.
Gambar 4.2 Pelepasan Pompa Hidrolik	Error! Bookmark not defined.
Gambar 4.3 Pompa Hidrolik	Error! Bookmark not defined.
Gambar 4.4 Bagian-bagian Pompa Hidrolik	Error! Bookmark not defined.
Gambar 4.5 Bagian <i>Flange</i> Pompa Hidrolik	Error! Bookmark not defined.
Gambar 4.6 Bagian <i>Housing</i> Pompa Hidrolik	Error! Bookmark not defined.
Gambar 4.7 <i>Drive Gear</i> dan <i>Driven Gear</i>	Error! Bookmark not defined.
Gambar 4.8 <i>Housing</i> Bagian Tengah	Error! Bookmark not defined.
Gambar 4.9 <i>Pressure Plate</i>	Error! Bookmark not defined.
Gambar 4.10 <i>Center Bearing Plate</i>	Error! Bookmark not defined.
Gambar 4.11 Pemeriksaan <i>Flange</i>	Error! Bookmark not defined.

Gambar 4.12 <i>Oring dan Snap Ring</i>	Error! Bookmark not defined.
Gambar 4.13 Pemeriksaan <i>Housing</i>	Error! Bookmark not defined.
Gambar 4.14 Pemeriksaan Bagian Dalam <i>Housing</i> ...	Error! Bookmark not defined.
Gambar 4.15 Seal dan <i>Center Bearing</i>	Error! Bookmark not defined.
Gambar 4.16 <i>Drive Gear</i> dan <i>Driven Gear</i>	Error! Bookmark not defined.
Gambar 4.17 <i>Seal Center Bearing</i> yang rusak.....	Error! Bookmark not defined.
Gambar 4.18 <i>O- ring</i> Rusak	Error! Bookmark not defined.
Gambar 4.19 <i>Drive Gear</i> yang Aus	Error! Bookmark not defined.
Gambar 4.20 <i>Seal Center Bearing</i> yang Baru.....	Error! Bookmark not defined.
Gambar 4.21 <i>O-ring, Snap Ring</i> dan <i>Ring</i> Baru	Error! Bookmark not defined.
Gambar 4.22 <i>Drive Gear</i> Baru.....	Error! Bookmark not defined.
Gambar 4.23 Bagian <i>Housing</i> Setelah Perbaikan	Error! Bookmark not defined.
Gambar 4.24 <i>Center Bearing Plate</i> Setelah Perbaikan.....	Error! Bookmark not defined.
Gambar 4.25 <i>Flange</i> Setelah Perbaikan.....	Error! Bookmark not defined.
Gambar 4.26 Pompa Hidrolik Setelah Perbaikan	Error! Bookmark not defined.
Gambar 4.27 Tekanan Sebelum dan Sesudah Perbaikan <i>Lifting</i>	Error! Bookmark not defined.
Gambar 4.28 Tekanan Sebelum dan Sesudah Perbaikan <i>Dumping</i>	Error! Bookmark not defined.
Gambar 4.29 Tekanan Sebelum dan Sesudah Perbaikan <i>Steering</i>	Error! Bookmark not defined.
Gambar 4.30 <i>Root Cause Analysis</i>	Error! Bookmark not defined.
Gambar 4.31 Diagram <i>Fishbone</i> Gerakan <i>Lifting</i> dan <i>Dumping</i> Lambat.....	Error! Bookmark not defined.
Gambar 4.32 Diagram <i>Fishbone Steering</i> Tidak Responsif	Error! Bookmark not defined.
Gambar 4.33 Diagram <i>Fishbone</i> Kebocoran Oli	Error! Bookmark not defined.
Gambar 4.34 Diagram <i>Fishbone Drive Gear</i> Aus	Error! Bookmark not defined.

DAFTAR LAMPIRAN

Lampiran 1 Surat Pernyataan Pencantuman Nama Perusahaan.....**Error! Bookmark not defined.**

Lampiran 2 Susunan Pompa Hidrolik **Error! Bookmark not defined.**

Lampiran 3 Ukuran Pompa Hidrolik..... **Error! Bookmark not defined.**

