

**Lembar Pengesahan**

**LAPORAN PRAKTEK KERJA MAGANG I  
PENGENALAN ALAT DAN PROSES PENGOLAHAN  
INDUSTRI KELAPA SAWIT DI PT SOCFIN INDONESIA PABRIK  
KELAPA SAWIT (PKS) KEBUN AEK LOBA KECAMATAN AEK  
KUASAN KABUPATEN ASAHAN, PROVINSI SUMATRA UTARA**

**Oleh:**


**Nama : Sahlan Abrory  
NIM : 21.01.043  
Program Studi : Teknologi Kimia**

**Mengetahui dan mengesahkan  
Sumatera Utara, 25 Mei 2023**

**Tekniker I**

  
**Masriadi**

**Pembimbing Praktek**

  
**Henry Rudi Simamora**

  
**Pengurus  
PT SOCFININDONESIA  
SOCFININDONESIA-MEDAN  
Aek Loba Estate  
Frans Tanjung**

**LEMBAR PENGESAHAN**

**LAPORAN PRAKTEK KERJA MAGANG I  
PENGENALAN ALAT DAN PROSES PENGOLAHAN INDUSTRI  
KELAPA SAWIT DI PT SOCFIN INDONESIA PABRIK KELAPA SAWIT  
(PKS) KEBUN AEK LOBA KECAMATAN AEK KUASAN KABUPATEN  
ASAHAN, PROVINSI SUMATERA UTARA**

**Oleh:**

**Nama : Sahlan Abrory  
NIM : 21.01.043  
Program Studi : Teknologi Kimia**

**Telah diperiksa dan disetujui  
Yogyakarta, 3 Juli 2023**

**Ketua Prodi DIII Teknologi Kimia**

**Dosen Pembimbing & Penguji**



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Timestamp	Tanggal kegiatan :	Topik Kegiatan :	File pendukung : (foto)	File pendukung : (dokume File pendukung : link video/link file pendukung lainnya
5/24/2023 11:33:12	2/20/2023	Pengenalan lingkungan pabrik		<a href="https://drive.google.com/open?id=1iqybwAalX3kzD5JsKw6t6CM1vTqin6ke">https://drive.google.com/open?id=1iqybwAalX3kzD5JsKw6t6CM1vTqin6ke</a>
5/24/2023 11:36:29	2/21/2023	Stasiun penerimaan buah dan perebusan		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/24/2023 11:39:32	2/22/2023	proses Sortasi, alat hoisting crane dan striper		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/24/2023 11:42:36	2/23/2023	Alat hoisting crane dan proses sortasi		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/24/2023 11:44:37	2/24/2023	Stasiun perebusan (alat sterilizer)		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/24/2023 11:46:22	2/25/2023	Menghitung losses janjang Balen, spesifikasi striper		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/24/2023 11:48:36	2/27/2023	Melaksanakan perkuliahan dan berkeliling pabrik se		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/24/2023 11:50:15	2/28/2023	Stasiun pemurnian minyak		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 13:19:33	3/1/2023	Stasiun pemurnian minyak		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 13:21:09	3/2/2023	Melanjutkan proses pada stasiun pemurnian minyak		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 13:22:22	3/3/2023	Pengolahan sludge		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 13:23:59	3/4/2023	Memahami materi yang telah didapat (sludge)		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 13:26:19	3/6/2023	Berkeliling setiap stasiun dan melaksanakan perkuli		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 13:29:01	3/7/2023	Memahami stasiun pengolahan minyak (jembatan ti		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 13:30:45	3/8/2023	Stasiun kernel		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 13:37:49	3/9/2023	Stasiun kernel		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 13:41:00	3/10/2023	Memahami fungsi setiap alat di stasiun kernel		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 13:45:11	3/11/2023	Melanjutkan pemahaman fungsi alat di stasiun kern		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 13:47:29	3/13/2023	Berkeliling di setiap stasiun dan melaksanakan perk		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 13:50:01	3/14/2023	Water treatment		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 13:51:59	3/15/2023	Memahami materi water treatmen yang sudah diper		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 20:17:55	3/16/2023	Memahami proses water treatment		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 20:21:10	3/17/2023	Water treatment		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 20:23:29	3/18/2023	Parameter analisa air		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 20:25:56	3/20/2023	Kunjungan dari pihak kampus		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 20:29:49	3/21/2023	Boiler		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 20:33:54	3/23/2023	Komponen boiler		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 20:35:12	3/24/2023	Kamar mesin		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 20:37:19	3/25/2023	Komponen pada kamar mesin		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 20:39:22	3/27/2023	Review disetiap stasiun dan melaksanakan kuliah		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 20:40:58	3/28/2023	Alur pengolahan limbah		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 20:43:48	3/29/2023	Pengolahan limbah		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 20:45:19	3/30/2023	Limbah B3		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/26/2023 20:46:52	3/31/2023	Sounding		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/27/2023 17:39:42	4/1/2023	Mengulangi proses sounding		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/27/2023 19:18:57	4/3/2023	Analisa losses minyak		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/27/2023 19:21:14	4/4/2023	Analisa kadar air minyak		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/27/2023 19:26:30	4/5/2023	Analisa asam lemak bebas		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/27/2023 19:55:15	4/6/2023	Analisa kadar kotoran dan DOBI		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/27/2023 20:02:03	4/8/2023	Analisa COD dan TSS (limbah)		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/27/2023 20:08:11	4/10/2023	Analisa kadar air kernel		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/27/2023 20:10:09	4/11/2023	Mengulangi materi dari awal hingga akhir		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
5/27/2023 20:12:03	4/12/2023	Mengulangi serta memahami semua materi yang tel		<a href="https://drive.google.com/c">https://drive.google.com/c</a> <a href="https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU">https://drive.google.com/drive/folders/1OhkGO-MhU1Ds28wuR4aA4k6QVpTYEvU</a>
7/12/2023 21:04:16	6/26/2023	Ujian magang di politeknik LPP Yogyakarta		
7/13/2023 11:37:20	7/3/2023	Pengesahan laporan magang		