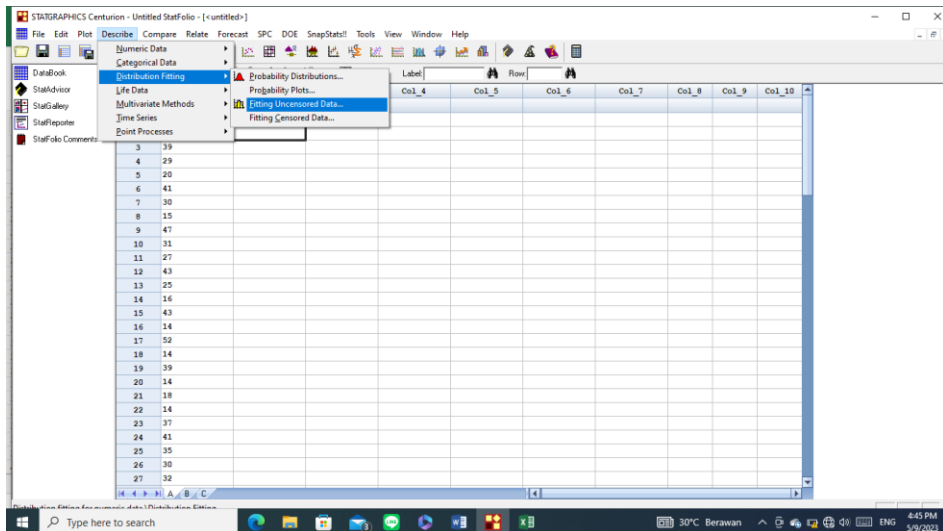
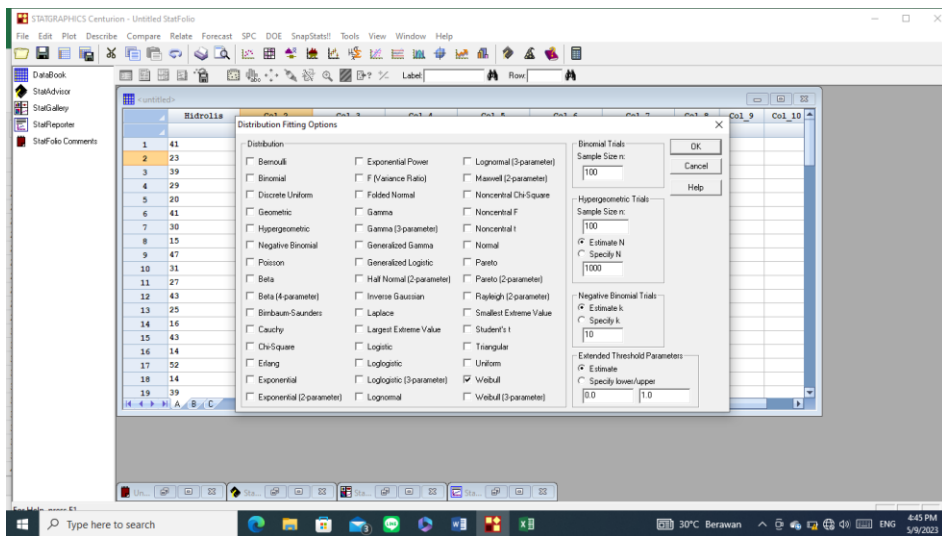
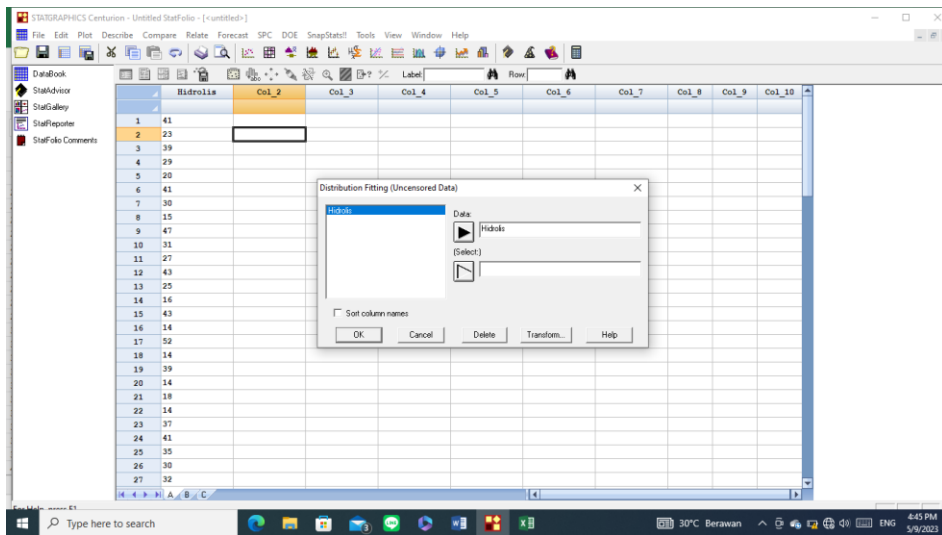


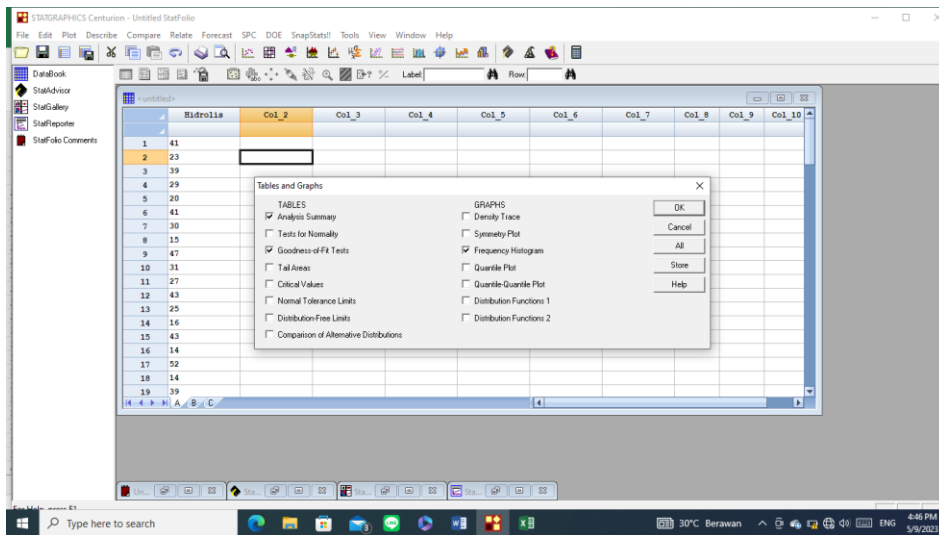
LAMPIRAN

Lampiran 1 Hasil Output Statgraphics 18 Komponen Hidrolis

Hidroliis	Col_2	Col_3	Col_4	Col_5	Col_6	Col_7	Col_8	Col_9	Col_10
1	41								
2	23								
3	39								
4	29								
5	20								
6	41								
7	30								
8	15								
9	47								
10	31								
11	27								
12	43								
13	25								
14	16								
15	43								
16	14								
17	52								
18	14								
19	39								
20	14								
21	18								
22	14								
23	37								
24	41								
25	35								
26	30								
27	32								







Uncensored Data - Hidroliis

Data variable: Hidroliis

35 values ranging from 14.0 to 52.0

Fitted Distributions

<i>Weibull</i>
shape = 3.10958
scale = 34.7637

The StatAdvisor

This analysis shows the results of fitting a Weibull distribution to the data on Hidroliis. The estimated parameters of the fitted distribution are shown above. You can test whether the Weibull distribution fits the data adequately by selecting Goodness-of-Fit Tests from the list of Tabular Options. You can also assess visually how well the Weibull distribution fits by selecting Frequency Histogram from the list of Graphical Options. Other options within the procedure allow you to compute and display tail areas and critical values for the distribution. To select a different distribution, press the alternate mouse button and select Analysis Options.

Goodness-of-Fit Tests for Hidroliis

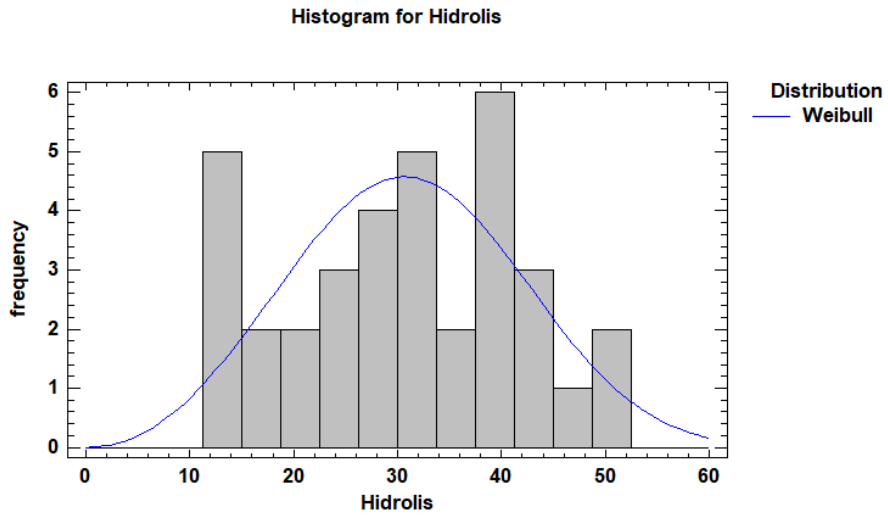
Kolmogorov-Smirnov Test

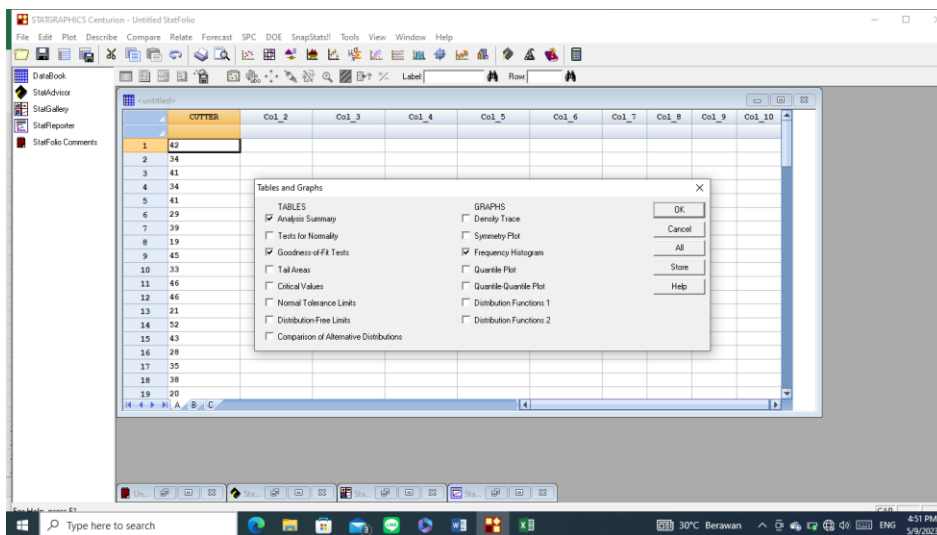
	<i>Weibull</i>
DPLUS	0.0930602
DMINUS	0.0754244
DN	0.0930602
P-Value	0.922262

The StatAdvisor

This pane shows the results of tests run to determine whether Hidroliis can be adequately modeled by a Weibull distribution.

Since the smallest P-value amongst the tests performed is greater than or equal to 0.05, we can not reject the idea that Hidroliis comes from a Weibull distribution with 95% confidence.





Uncensored Data - CUTTER

Data variable: CUTTER

30 values ranging from 16.0 to 53.0

Fitted Distributions

<i>Weibull</i>
shape = 4.27476
scale = 39.223

The StatAdvisor

This analysis shows the results of fitting a Weibull distribution to the data on CUTTER. The estimated parameters of the fitted distribution are shown above. You can test whether the Weibull distribution fits the data adequately by selecting Goodness-of-Fit Tests from the list of Tabular Options. You can also assess visually how well the Weibull distribution fits by selecting Frequency Histogram from the list of Graphical Options. Other options within the procedure allow you to compute and display tail areas and critical values for the distribution. To select a different distribution, press the alternate mouse button and select Analysis Options.

Goodness-of-Fit Tests for CUTTER

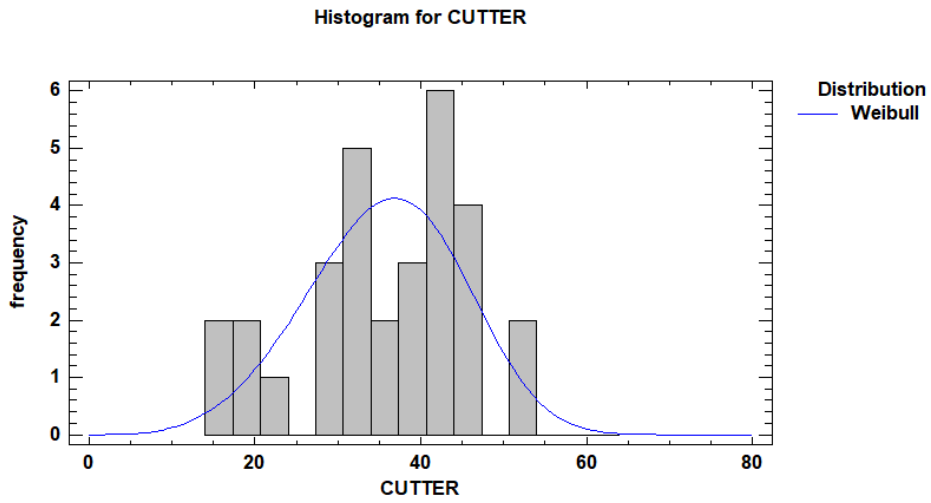
Kolmogorov-Smirnov Test

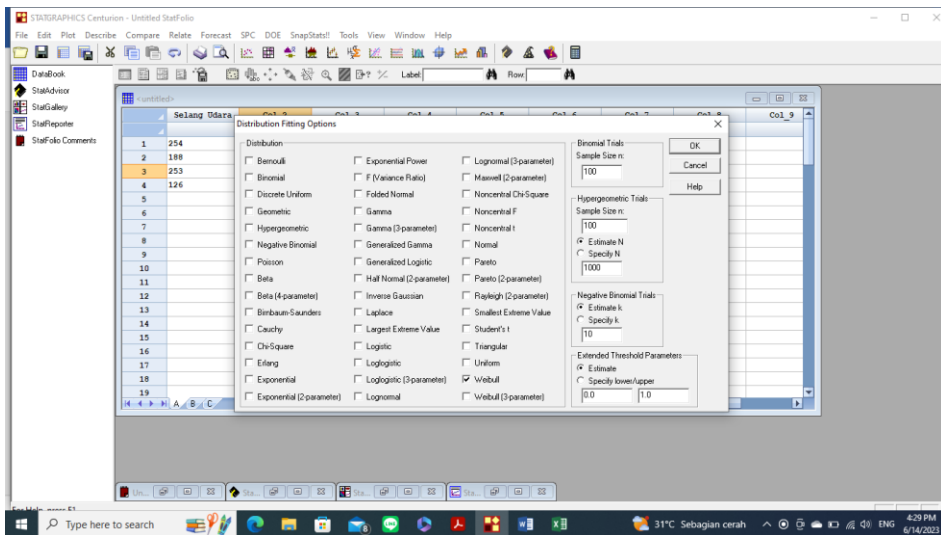
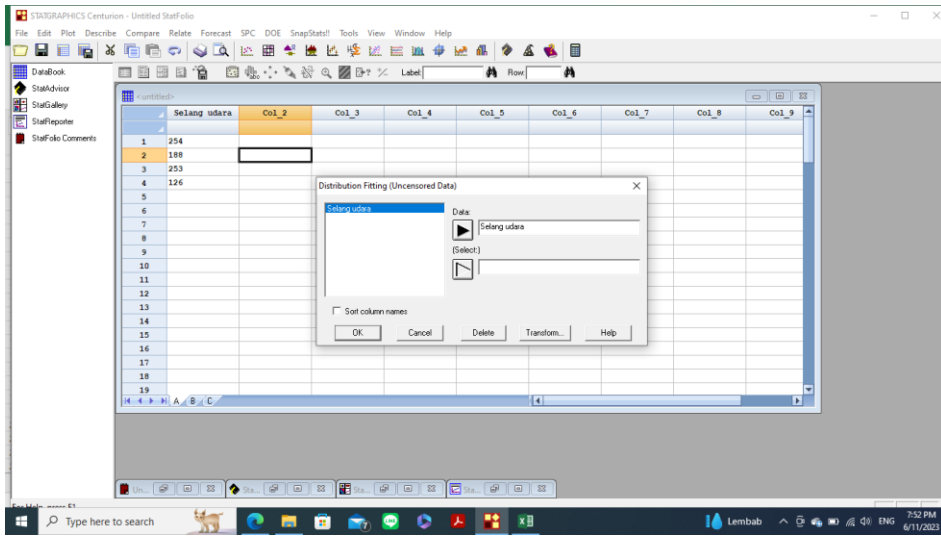
	<i>Weibull</i>
DPLUS	0.0997979
DMINUS	0.101365
DN	0.101365
P-Value	0.917497

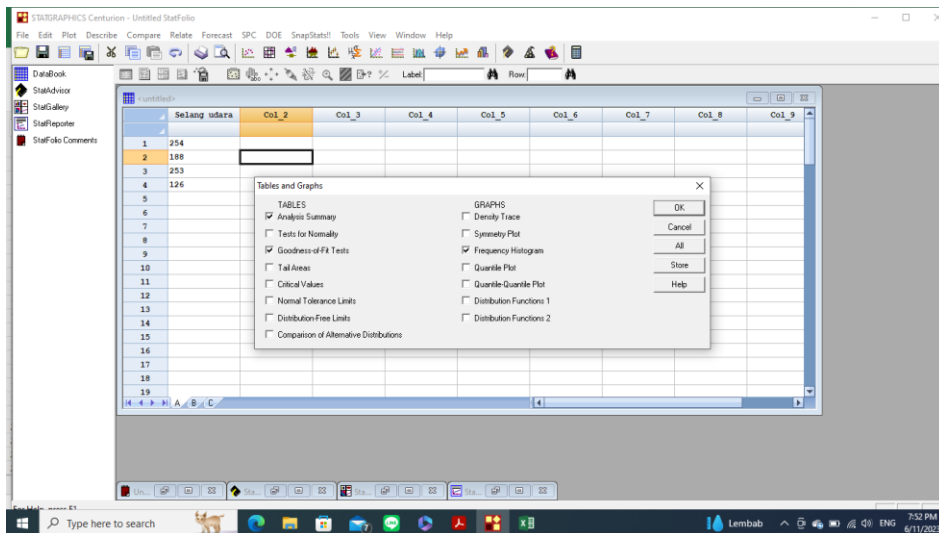
The StatAdvisor

This pane shows the results of tests run to determine whether CUTTER can be adequately modeled by a Weibull distribution.

Since the smallest P-value amongst the tests performed is greater than or equal to 0.05, we can not reject the idea that CUTTER comes from a Weibull distribution with 95% confidence.







Uncensored Data - Selang Udara

Data variable: Selang Udara

4 values ranging from 126.0 to 254.0

Fitted Distributions

<i>Weibull</i>
shape = 4.81482
scale = 225.396

The StatAdvisor

This analysis shows the results of fitting a Weibull distribution to the data on Selang Udara. The estimated parameters of the fitted distribution are shown above. You can test whether the Weibull distribution fits the data adequately by selecting Goodness-of-Fit Tests from the list of Tabular Options. You can also assess visually how well the Weibull distribution fits by selecting Frequency Histogram from the list of Graphical Options. Other options within the procedure allow you to compute and display tail areas and critical values for the distribution. To select a different distribution, press the alternate mouse button and select Analysis Options.

Goodness-of-Fit Tests for Selang Udara

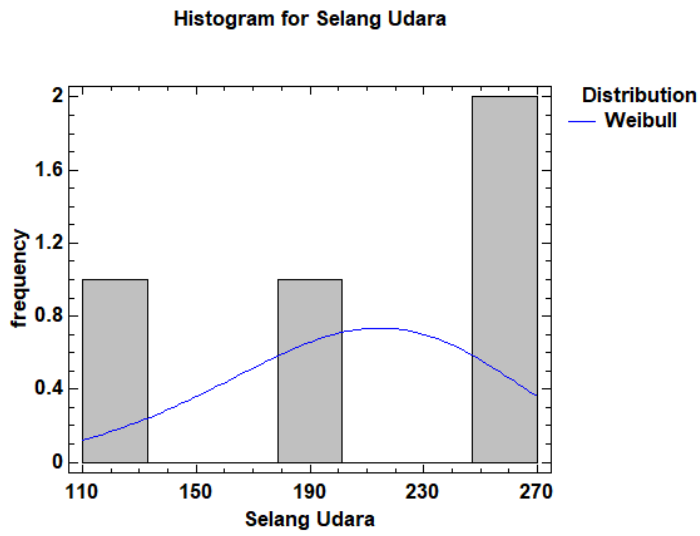
Kolmogorov-Smirnov Test

	<i>Weibull</i>
DPLUS	0.191013
DMINUS	0.325204
DN	0.325204
P-Value	0.791382

The StatAdvisor

This pane shows the results of tests run to determine whether Selang Udara can be adequately modeled by a Weibull distribution.

Since the smallest P-value amongst the tests performed is greater than or equal to 0.05, we can not reject the idea that Selang Udara comes from a Weibull distribution with 95% confidence.



Lampiran 4 Nilai Fungsi Gamma

Nilai Fungsi Gamma

Jika $0 < n < 1$, maka $\Gamma(n) = \frac{\Gamma(n+1)}{n}$

Jika $n > 0$, dan n bilangan real, maka $\Gamma(n + 1) = n\Gamma(n)$

Jika $n > 0$ dan n bilangan bulat positif, maka $\Gamma(n) = (n - 1)!$

Jika $n = 0,5$, maka $\Gamma(n) = \sqrt{\pi}$

Contoh :

Jika $n = 0,7$, maka $\Gamma(0,7) = \frac{\Gamma(0,7+1)}{0,7} = \frac{\Gamma(1,7)}{0,7} = \frac{0,908639}{0,7}$

Jika $n = 2,7$, maka $\Gamma(2,7) = \frac{\Gamma(1,7+1)}{2,7} = \frac{(1,7)\Gamma(1,7)}{1,7} = \frac{(1,7)(0,908639)}{0,7}$

Jika $n = 4$, maka $\Gamma(4) = (4 - 1)! = 3! = 3 \times 2 \times 1 = 6$

Jika $n = 0,5$, maka $\Gamma(0,5) = \sqrt{\pi} = \sqrt{3,14}$

Lampiran 5 Tabel Fungsi Gamma

Tabel Fungsi Gamma

n	$\Gamma(n)$	n	$\Gamma(n)$	n	$\Gamma(n)$	n	$\Gamma(n)$	n	$\Gamma(n)$
1,00	1.000.000	1,20	0,918169	1,40	0,887264	1,60	0,893516	1,80	0,931384
1,01	0,994326	1,21	0,915577	1,41	0,886764	1,61	0,894681	1,81	0,934076
1,02	0,988844	1,22	0,913106	1,42	0,886465	1,62	0,895924	1,82	0,936845
1,03	0,983550	1,23	0,910735	1,43	0,886063	1,63	0,897244	1,83	0,939690
1,04	0,978438	1,24	0,918521	1,44	0,885805	1,64	0,898642	1,84	0,942690
1,05	0,973504	1,25	0,916403	1,45	0,885661	1,65	0,900117	1,85	0,945611
1,06	0,968744	1,26	0,914397	1,46	0,885604	1,66	0,901668	1,86	0,948687
1,07	0,964152	1,27	0,912503	1,47	0,885633	1,67	0,903296	1,87	0,951840
1,08	0,959725	1,28	0,910719	1,48	0,885754	1,68	0,905001	1,88	0,955071
1,09	0,955459	1,29	0,899042	1,49	0,885945	1,69	0,906782	1,89	0,958380
1,10	0,951351	1,30	0,897471	1,50	0,886227	1,70	0,908693	1,90	0,961766
1,11	0,947395	1,31	0,896004	1,51	0,886592	1,71	0,910572	1,91	0,965231
1,12	0,943590	1,32	0,894640	1,52	0,887039	1,72	0,912580	1,92	0,968774
1,13	0,939931	1,33	0,893378	1,53	0,887568	1,73	0,914665	1,93	0,972797
1,14	0,936416	1,34	0,892215	1,54	0,888178	1,74	0,916862	1,94	0,976099
1,15	0,933041	1,35	0,891151	1,55	0,888669	1,75	0,919062	1,95	0,989881
1,16	0,929803	1,36	0,890184	1,56	0,889639	1,76	0,921375	1,96	0,983742
1,17	0,926700	1,37	0,889313	1,57	0,890490	1,77	0,923763	1,97	0,987685
1,18	0,923728	1,38	0,888537	1,58	0,891420	1,78	0,926227	1,98	0,991708
1,19	0,920885	1,39	0,887854	1,59	0,892428	1,79	0,928767	1,99	0,995813
1,20	0,918169	1,40	0,887264	1,60	0,893516	1,80	0,931384	2,00	1,000000

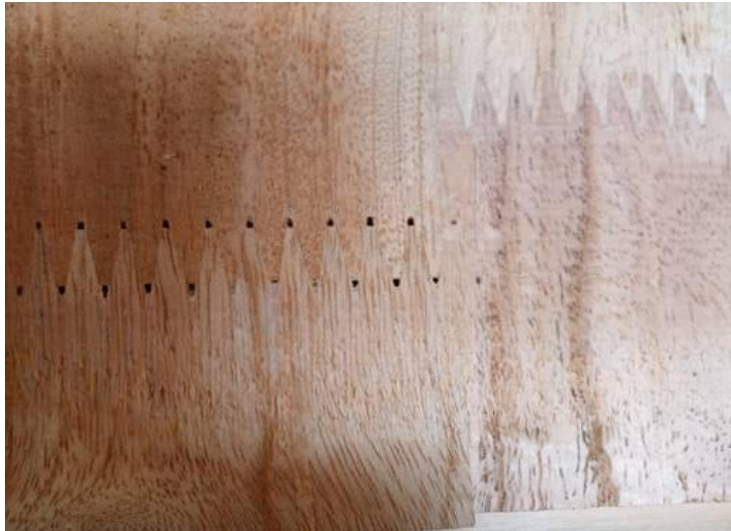
Lampiran 6 Foto Mesin Finger Joint

Foto Mesin Finger Joint



Lampiran 7 Hasil Material

Hasil Material Tidak Sesuai Standar Akibat Mesin



Lampiran 8 Lembar Revisi Tugas Akhir

UNIVERSITAS 17 AGUSTUS 1945 SURABAYA
FAKULTAS TEKNIK
PROGRAM STUDI TEKNIK INDUSTRI

REVISI SIDANG TUGAS AKHIR

NAMA : Nur Moh Danang Andrian
NBI : 1411900168
JUDUL : ANALISIS PERAWATAN KOMPONEN HIDROLIS DAN CUTTER PADA MESIN FINGER JOINT UNTUK MEMINIMALKAN DOWNTIME PADA PT ROMI VIOLETA, SIDOARJO
BATAS BIMBINGAN REVISI : 1 Minggu setelah Sidang


NO	URAIAN	BAB	HALAMAN	NO	URAIAN	BAB	HALAMAN
1.	Uji harus semua dicobasi.	1	11/16	1.	Pareto kaidah 80 : 20	4	ACC
2.	Biaya perawatan (estimasi) dibanding kan dng asulan preventive maintenance	1	11/16	2.	hitung biaya selanjutnya urutan langkah kerja.	3	ACC

Telah Direvisi,
Dosen Penguji 1,


12/12023

Dr. Ir. Zaimal Arief, MT

Dosen Penguji 2,


13/16

Wiwin Widiasih, ST, MT

Surabaya, 09 Juni 2023
Mengetahui
Dosen Pembimbing,



Dr. Ir. I Nyoman Lokajaya, ST, MM

Lampiran 9 Kartu Bimbingan Tugas Akhir



JURNAL BIMBINGAN TUGAS AKHIR
PRODI TEKNIK INDUSTRI
SEMESTER GENAP 2022/2023

Nama : Nur Moh. Danang Andrian
NBI : 1411900168
Judul Penelitian : Analisis Perawatan Komponen Drools dan Cutter pada Mesin Finger Joint Untuk Meminimalkan Downtime Pada PT. Korni VIOLETA SIDOARJO
Dosen Pembimbing : Dr. Ir. Nyoman Lakajaya S.T., M.M



No.	Tanggal	Materi Bimbingan	Catatan Pembimbing	Paraf Pembimbing
1.	1/03/23	BAB I	Revisi Judul & Perbaikan data	
2.	07/03/23	BAB I	Perbaikan rumusan & Tujuan penelitian	
3.	09/03/23	BAB II	Kajian pustaka	
4.	10/03/23	BAB II	Penelitian Terdahulu	
5.	14/03/23	BAB III	Flow chart Penelitian	
6.	15/03/23	BAB III	Tabel Form pada Pengumpulan Data	
7.	28/03/23	BAB IV	Pengumpulan Data	
8.	11/04/23	BAB IV	Pengolahan Data	
9.	18/04/23	BAB IV	Pengolahan Data	
10	03/05/23	BAB IV	Pengolahan Data	
11	08/05/23	BAB IV	Pengolahan Data	
12	10/05/23	BAB IV	Pengolahan Data	
13	19/05/23	BAB IV	Analisa dan Pembahasan	
14	25/05/23	BAB IV	Analisa hasil & Pembahasan	
15	26/05/23	BAB V	Kesimpulan	
16	30/05/23	BAB V	Kesimpulan dan saran	

Lampiran 10 Surat Balasan Penelitian



No : 0036/HRD/SK/PENELITIAN/XI/2022
 Lampiran : -
 Hal : Ijin Untuk Penelitian Tugas Akhir

Kepada Yth,
 Dekan Fakultas Teknik
 Universitas 17 Agustus 1945 Surabaya
 di
 Surabaya

Dengan hormat,

Sehubungan dengan adanya proposal dari Fakultas Teknik Universitas 17 Agustus 1945 Surabaya tertanggal 07 November 2022 yakni perihal permohonan izin penelitian tugas akhir kepada mahasiswa :

NO.	NAMA	NBI	PELAKSANAAN	DIVISI
1.	Nur Moh Danang A.	1411900168	14 November 2022 – Selesai	PPIC
2.	Ahmad Zaini	1411900124		MTC
3.	Akhmad Fatikhul A.	1411900163		QC

Bersama ini kami sampaikan bahwa mahasiswa tersebut dapat kami terima untuk dapat melaksanakan penelitian tugas akhir di perusahaan kami terhitung mulai tanggal 14 November s.d selesai

Atas perhatiannya dan kerjasamanya, kami ucapkan terima kasih

Sidoarjo, 08 November 2022

P.T. ROMI VIOLETA
GATOT SUHADI, S.H., M.H.
 Manager HRD

Jl. Raya Buduran Km. 6 Sidoarjo 61252, Jawa Timur, Indonesia
 Phone : (62/31) 8941052 (Hunting) Fax. (62/31) 8963449
 Email : contact@romivioleta.com

Lampiran 11 Biodata Penulis



Nur Moh. Danang Andrian, laki-laki lahir di Gresik, 03 Februari 2002. Anak kedua dari dua bersaudara dari orang tua Suyatno dan Mita Murtini. Penulis pertama kali memasuki pendidikan dasar formal di SDN Pedagangan pada tahun 2007 dan lulus pada tahun 2013. Pada tahun yang sama penulis melanjutkan pendidikan di SMPN 2 Wringinanom dan lulus pada tahun 2016. Setelah lulus SMP, penulis melanjutkan ke SMAN 1 Wringinanom Dengan Jurusan Ilmu Pengetahuan Alam dan lulus pada tahun 2019. Dan pada tahun 2019, penulis terdaftar sebagai mahasiswa di Universitas 17 Agustus 1945 Surabaya Fakultas Teknik Jurusan Teknik Industri dan lulus pada tahun 2023.