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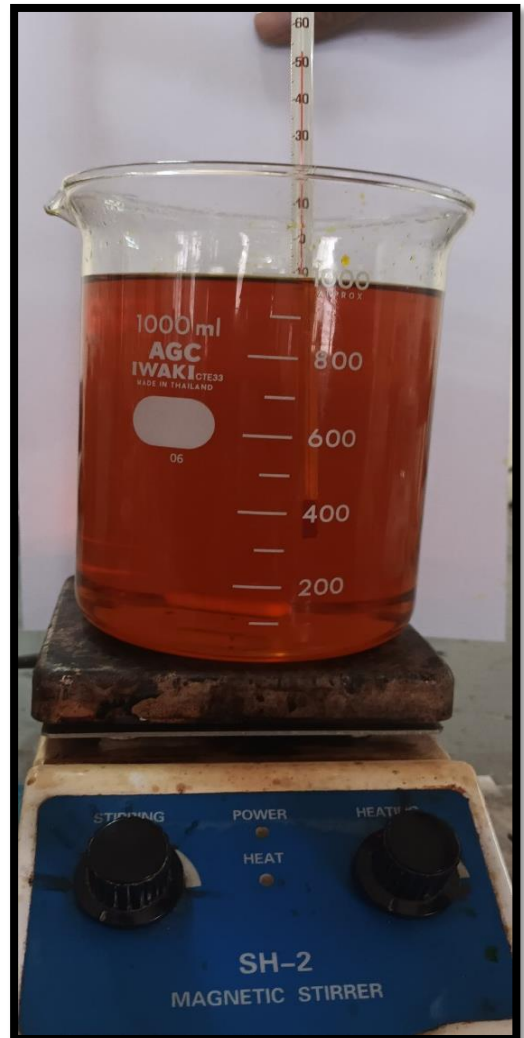
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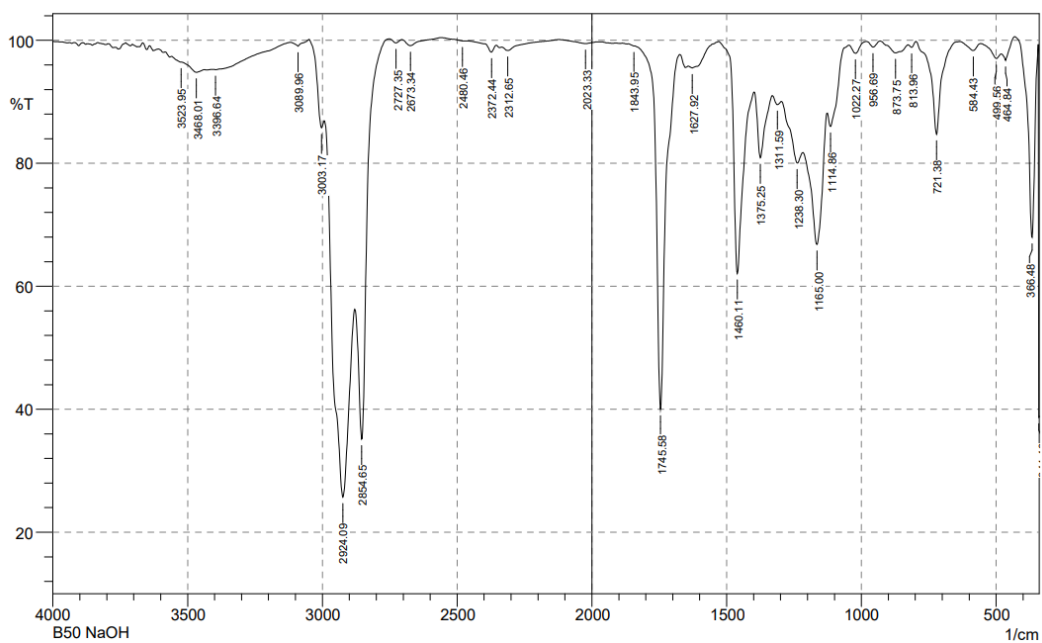
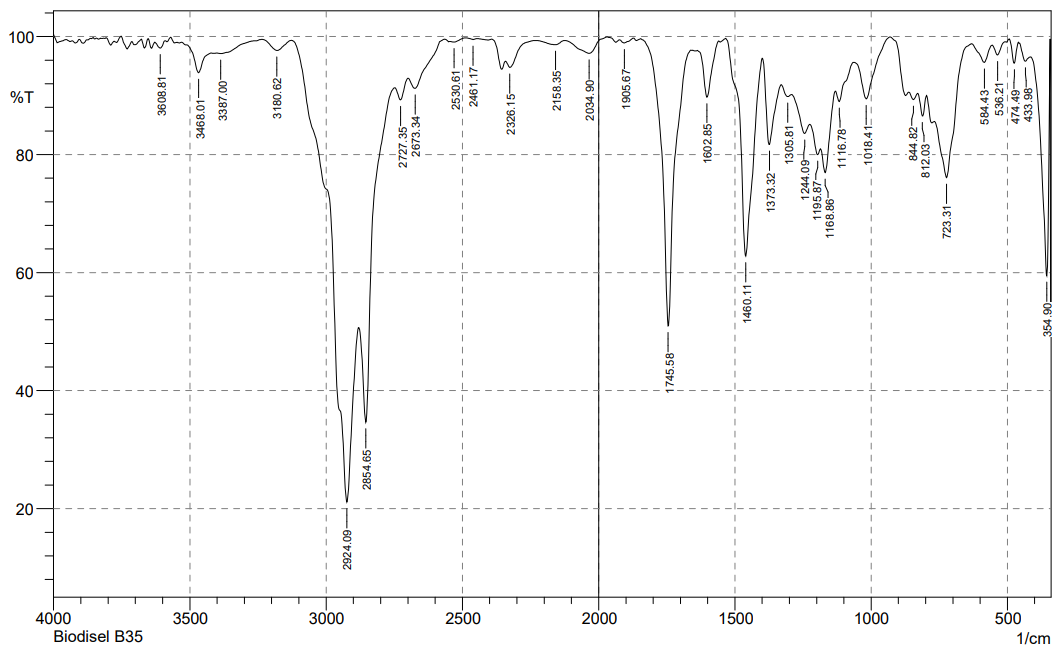
Solar B35																						
Rasio Kompresi	Beban (kg)	Putaran (rpm)	Torsi (Nm)	BP (Kw)	FC (kg/h)	SFC (kg/kW.h)	IP	IMEP	Ma (kg/h)	Mth (kg/h)	AFR	ηvo (%)	ηth (%)	fuel	10 ⁻³	pf	ho	pud	LVHbb	vs	vsx10 ⁻³	Qtot
14	5	1522	9,400	1,497	0,857	0,572	3,463	4,130	26,273	35,312	30,664	74,403	17,864	17	0,017	0,840	65,380	1,17	35220	0,661	0,00066	8,382
	7	1502	12,810	2,014	0,907	0,450	3,749	4,530	25,966	34,848	28,622	74,512	22,690	18	0,018	0,840	63,860	1,17	35220	0,661	0,00066	8,875
	9	1495	16,490	2,580	1,008	0,391	4,234	5,140	25,581	34,686	25,378	73,751	26,165	20	0,020	0,840	61,980	1,17	35220	0,661	0,00066	9,862
18	5	1558	9,230	1,505	0,756	0,502	2,824	3,290	26,235	36,147	34,703	72,578	20,350	15	0,015	0,840	65,190	1,17	35220	0,661	0,00066	7,396
	7	1509	12,700	2,006	0,857	0,427	3,359	4,040	25,897	35,010	30,225	73,969	23,930	17	0,017	0,840	63,520	1,17	35220	0,661	0,00066	8,382
	9	1512	16,510	2,613	0,958	0,367	3,890	4,670	25,809	35,080	26,952	73,572	27,889	19	0,019	0,840	63,090	1,17	35220	0,661	0,00066	9,369

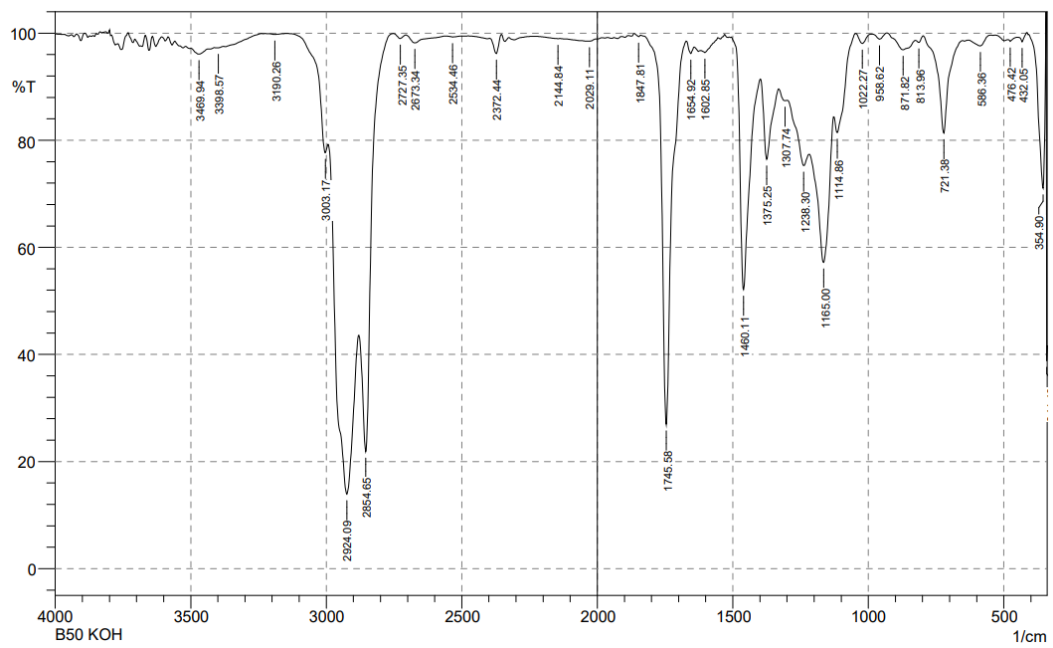
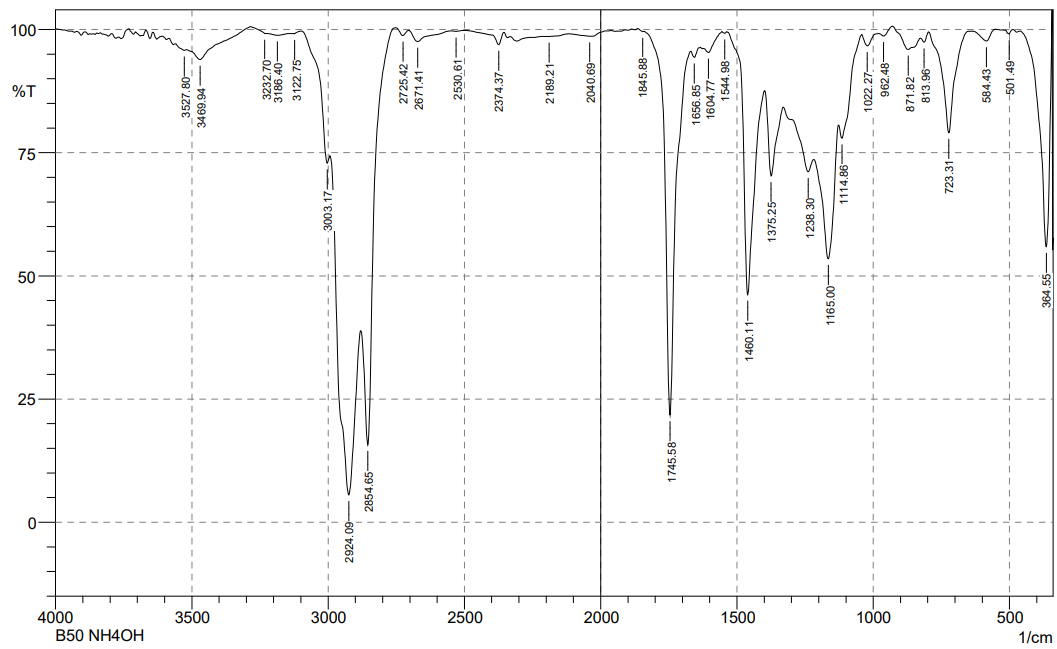
B50 NaOH																						
Rasio Kompresi	Beban (kg)	Putaran (rpm)	Torsi (Nm)	BP (Kw)	FC (kg/h)	SFC (kg/kW.h)	IP	IMEP	Ma (kg/h)	Mth (kg/h)	AFR	ηvo (%)	ηth (%)	fuel	10 ⁻³	pf	ho	pud	LVHbb	vs	vsx10 ⁻³	Qtot
14	5	1501	9,290	1,460	0,822	0,563	2,936	3,550	26,027	34,825	31,672	74,737	18,384	16	0,016	0,856	64,160	1,17	34779	0,661	0,00066	7,939
	7	1492	12,720	1,986	0,924	0,465	3,247	3,950	25,552	34,616	27,639	73,816	22,241	18	0,018	0,856	61,840	1,17	34779	0,661	0,00066	8,931
	9	1479	16,310	2,525	1,027	0,407	3,789	4,650	25,245	34,314	24,576	73,568	25,443	20	0,020	0,856	60,360	1,17	34779	0,661	0,00066	9,924
18	5	1523	9,080	1,447	0,822	0,568	2,761	3,290	26,263	35,335	31,960	74,326	18,232	16	0,016	0,856	65,330	1,17	34779	0,661	0,00066	7,939
	7	1519	12,700	2,019	0,873	0,432	3,096	3,700	25,897	35,242	29,660	73,482	23,938	17	0,017	0,856	63,520	1,17	34779	0,661	0,00066	8,435
	9	1497	16,460	2,579	0,976	0,378	3,522	4,270	25,573	34,732	26,206	73,629	27,357	19	0,019	0,856	61,940	1,17	34779	0,661	0,00066	9,427

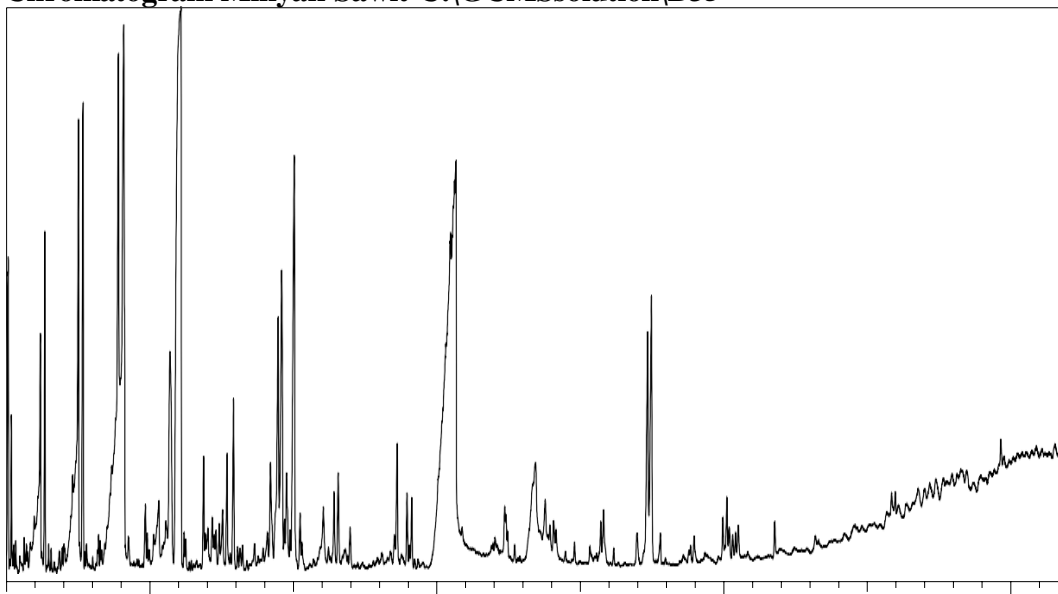
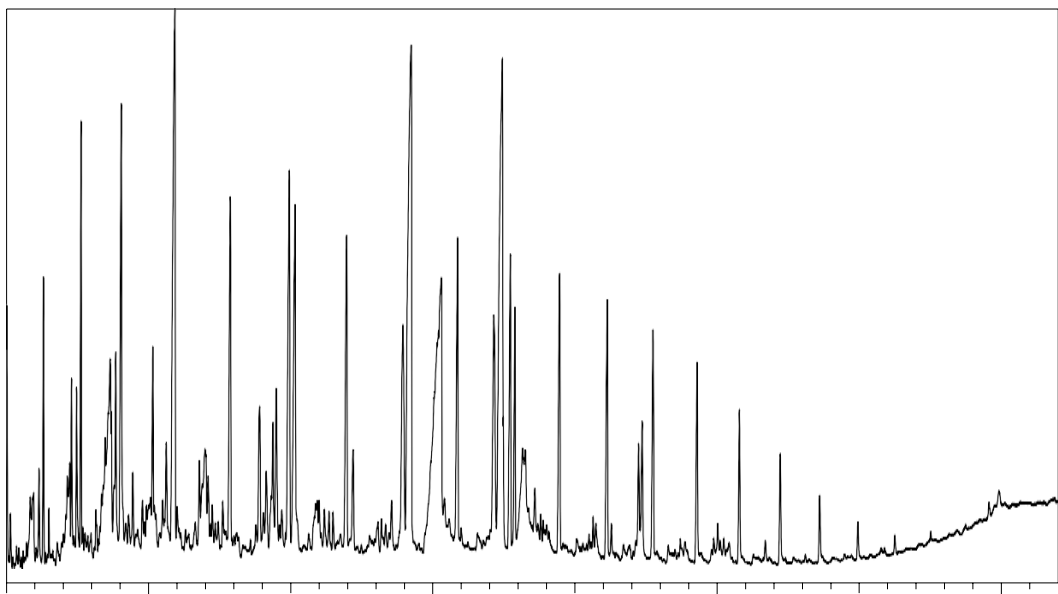
B50 NH4OH																						
Rasio Kompresi	Beban (kg)	Putaran (rpm)	Torsi (Nm)	BP (Kw)	FC (kg/h)	SFC (kg/kW.h)	IP	IMEP	Ma (kg/h)	Mth (kg/h)	AFR	ηvo (%)	ηth (%)	fuel	10 ⁻³	pf	ho	pud	LVHbb	vs	vsx10 ⁻³	Qtot
14	5	1496	9,210	1,442	0,874	0,606	3,321	4,030	25,719	34,709	29,422	74,099	17,738	17	0,017	0,857	62,650	1,17	33483	0,661	0,00066	8,130
	7	1484	12,840	1,994	0,926	0,464	3,540	4,330	25,459	34,430	27,507	73,943	23,168	18	0,018	0,857	61,390	1,17	33483	0,661	0,00066	8,608
	9	1465	16,490	2,529	1,080	0,427	3,995	4,950	25,068	33,990	23,215	73,753	25,176	21	0,021	0,857	59,520	1,17	33483	0,661	0,00066	10,043
18	5	1510	9,210	1,456	0,823	0,565	2,945	3,540	25,930	35,034	31,517	74,013	19,023	16	0,016	0,857	63,680	1,17	33483	0,661	0,00066	7,652
	7	1504	12,800	2,015	0,874	0,434	3,165	3,820	25,653	34,894	29,347	73,517	24,784	17	0,017	0,857	62,330	1,17	33483	0,661	0,00066	8,130
	9	1489	16,490	2,570	0,977	0,380	3,536	4,310	25,405	34,546	26,004	73,539	28,282	19	0,019	0,857	61,130	1,17	33483	0,661	0,00066	9,087

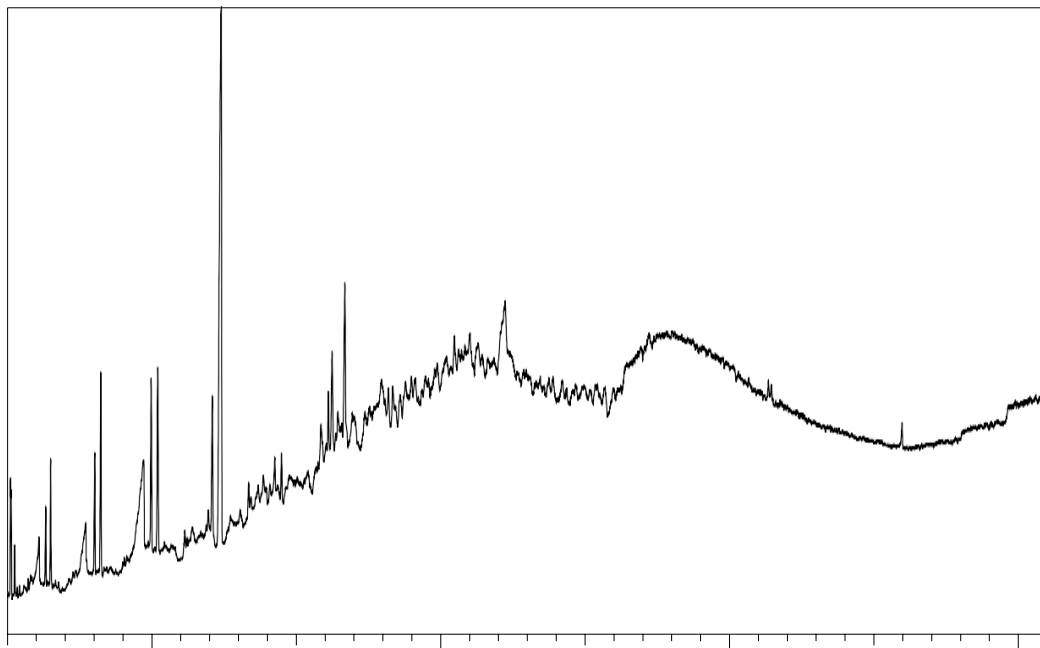
B50 KOH																						
Rasio Kompresi	Beban (kg)	Putaran (rpm)	Torsi (Nm)	BP (Kw)	FC (kg/h)	SFC (kg/kW.h)	IP	IMEP	Ma (kg/h)	Mth (kg/h)	AFR	ηvo (%)	ηth (%)	fuel	10 ⁻³	pf	ho	pud	LVHbb	vs	vsx10 ⁻³	Qtot
14	5	1501	9,220	1,449	0,775	0,535	2,903	3,510	25,531	34,825	32,948	73,314	19,985	15	0,015	0,861	61,740	1,17	33673	0,661	0,00066	7,248
	7	1486	12,790	1,989	0,930	0,467	3,643	4,450	25,628	34,477	27,561	74,335	22,871	18	0,018	0,861	62,210	1,17	33673	0,661	0,00066	8,698
	9	1469	16,340	2,512	1,033	0,411	3,844	4,750	25,115	34,082	24,308	73,688	25,997	20	0,020	0,861	59,740	1,17	33673	0,661	0,00066	9,664
16	5	1513	9,260	1,466	0,775	0,528	2,567	3,080	25,940	35,103	33,475	73,895	20,232	15	0,015	0,861	63,730	1,17	33673	0,661	0,00066	7,248
	7	1501	12,840	2,017	0,827	0,410	2,886	3,490	25,721	34,825	31,118	73,858	26,092	16	0,016	0,861	62,660	1,17	33673	0,661	0,00066	7,731
	9	1477	16,590	2,565	0,930	0,363	3,133	3,850	25,272	34,268	27,177	73,747	29,487	18	0,018	0,861	60,490	1,17	33673	0,661	0,00066	8,698

Grafik hasil pengujian FTIR





Chromatogram Minyak Sawit C:\GCMSsolution\B35**Chromatogram Minyak Sawit C:\GCMSsolution\B50 Katalis NaOH**

Chromatogram Minyak Sawit C:\GCMSsolution\B50 Katalis NH4OH**Chromatogram Minyak Sawit C:\GCMSsolution\B50 Katalis KOH**