

DAFTAR ISI

HALAMAN

PERNYATAAN

ABSTRAKError! Bookmark not defined.

KATA PENGANTAR.....Error! Bookmark not defined.

DAFTAR ISI.....v

DAFTAR TABELError! Bookmark not defined.

DAFTAR GAMBAR.....Error! Bookmark not defined.

DAFTAR LAMPIRAN.....Error! Bookmark not defined.

BAB I PENDAHULUAN.....Error! Bookmark not defined.

1.1 Latar Belakang Masalah..... **Error! Bookmark not defined.**

1.2 Rumusan Masalah **Error! Bookmark not defined.**

1.3 Tujuan Penelitian **Error! Bookmark not defined.**

1.4 Manfaat Penelitian **Error! Bookmark not defined.**

BAB II TINJAUAN PUSTAKA.....Error! Bookmark not defined.

2.1 Bioenergi (Bahan Bakar)..... **Error! Bookmark not defined.**

2.1.1 Biodiesel **Error! Bookmark not defined.**

2.1.2 Bioalkohol..... **Error! Bookmark not defined.**

2.1.3 Bioalkana **Error! Bookmark not defined.**

2.1.4 Karakteristik Bahan Bakar..... **Error! Bookmark not defined.**

2.2 Asam Lemak **Error! Bookmark not defined.**

2.2.1 Asam Oleat **Error! Bookmark not defined.**

2.3 Zeolit **Error! Bookmark not defined.**

2.3.1	Sifat-Sifat Zeolit	Error! Bookmark not defined.
2.4	Hidrogenasi Perengkahan.....	Error! Bookmark not defined.
2.5	Katalis	Error! Bookmark not defined.
2.5.1	Katalis logam transisi Nikel.....	Error! Bookmark not defined.
2.5.2	Pembuatan Katalis	Error! Bookmark not defined.
2.6	Reaktor Batch.....	Error! Bookmark not defined.
BAB III METODE PENELITIAN		Error! Bookmark not defined.
3.1	Waktu dan Tempat Penelitian	Error! Bookmark not defined.
3.2	Alat dan Bahan	Error! Bookmark not defined.
3.2.1	Alat	Error! Bookmark not defined.
3.2.2	Bahan	Error! Bookmark not defined.
3.3	Metode Penelitian.....	Error! Bookmark not defined.
3.4	Tahap Penelitian.....	Error! Bookmark not defined.
3.4.1	Preparasi Katalis	Error! Bookmark not defined.
3.4.2	Analisis Karakterisasi	Error! Bookmark not defined.
3.4.3	Uji Aktivitas katalis Ni/Zeolit ...	Error! Bookmark not defined.
BAB IV HASIL DAN PEMBAHASAN		Error! Bookmark not defined.
4.1	Preparasi Katalis.....	Error! Bookmark not defined.
4.2	Karakterisasi Katalis	Error! Bookmark not defined.
4.2.1	Analisis FTIR.....	Error! Bookmark not defined.
4.2.2	Analisis kandungan Ni pada Ni/Zeolit dengan AAS	Error!
		Bookmark not defined.

4.2.3	Analisis Zeolit dan Ni/Zeolit dengan XRD	Error! Bookmark not defined.
4.3.1	Analisis GC-MS Sampel Asam Oleat.....	Error! Bookmark not defined.
4.3	Analisis Hasil Reaksi Hidrogenasi Perengkahan Katalitik Asam Oleat ..	40
4.3.1	Analisis GC-MS Sampel Asam Oleat.....	42
4.3.2	Analisis GC-MS Produk pada Kondisi 1.	Error! Bookmark not defined.
4.3.3	Analisis GC-MS Produk pada Kondisi 2.	Error! Bookmark not defined.
4.3.4	Analisis GC-MS Produk pada Kondisi 3.	Error! Bookmark not defined.
4.3.5	Analisis GC-MS Produk pada Kondisi 4.	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.
RIWAYAT HIDUP	76