شبكة المعلومات الجامعية

التوثيق الإلكتروني والميكروفيلم

بسم الله الرحمن الرحيم

HANAA ALY

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جامعة عين شمس

التوثيق الإلكتروني والميكروفيلم

قسم

نقسم بالله العظيم أن المادة التي تم توثيقها وتسجيلها
علي هذه الأقراص المدمجة قد أعدت دون أية تغيرات

يجب أن

تحفظ هذه الأقراص المدمجة بعيدا عن الغبار

HANAA ALY

BIOFUEL PRODUCTION FROM JOJOBA OIL

By

Abdallah Ahmed Abdelmoniem

A Thesis Submitted to the
Faculty of Engineering at Cairo University
in Partial Fulfillment of the
Requirements for the Degree of
MASTER OF SCIENCE
in
Chemical Engineering

FACULTY OF ENGINEERING, CAIRO UNIVERSITY
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Under the Supervision of

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Title of Thesis:

Biofuel Production from Jojoba Oil

Key Words:
Biofuel, Jojoba oil, Transesterification, Catalytic hydrocracking.

Summary:

Biofuels such as biodiesel and biojet fuel are important sources of renewable energy, which will replace petroleum fuels in the near future. The most important biofuel is biojet fuel, as a partial replacement of jet fuel of petroleum origin will be mandatory for all over the world flights. The most promising methods for biojet fuel manufacture are transesterification and catalytic hydrocracking. The type of product and its quality depend on the process conditions such as reaction time, temperature and the catalyst type, form, and amount. The present thesis aims to produce biofuel from Jojoba oil by transesterification and catalytic hydrocracking.

Disclaimer

I hereby declare that this thesis is my own original work and that no part of it has been submitted for a degree qualification at any other university or institute.

I further declare that I have appropriately acknowledged all sources used and have cited them in the references section.

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