

Accepted Manuscript

Thermogravimetric analysis and kinetic modeling of low-transition-temperature mixtures pretreated oil palm empty fruit bunch for possible maximum yield of pyrolysis oil

Chung Loong Yiin, Suzana Yusup, Armando T. Quitain, Yoshimitsu Uemura, Mitsuru Sasaki, Tetsuya Kida

PII: S0960-8524(18)30154-8
DOI: <https://doi.org/10.1016/j.biortech.2018.01.132>
Reference: BITE 19489

To appear in: *Bioresource Technology*

Received Date: 15 December 2017
Revised Date: 25 January 2018
Accepted Date: 27 January 2018

Please cite this article as: Yiin, C.L., Yusup, S., Quitain, A.T., Uemura, Y., Sasaki, M., Kida, T., Thermogravimetric analysis and kinetic modeling of low-transition-temperature mixtures pretreated oil palm empty fruit bunch for possible maximum yield of pyrolysis oil, *Bioresource Technology* (2018), doi: <https://doi.org/10.1016/j.biortech.2018.01.132>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



Thermogravimetric analysis and kinetic modeling of low-transition-temperature mixtures pretreated oil palm empty fruit bunch for possible maximum yield of pyrolysis oil

Chung Loong Yiin^{1a}, Suzana Yusup^{2a*}, Armando T. Quitain^{3b,c}, Yoshimitsu Uemura^{4a}, Mitsuru Sasaki^{5d}, Tetsuya Kida^{6b}

^aBiomass Processing Cluster, Centre for Biofuel and Biochemical Research, Institute for Sustainable Living, Chemical Engineering Department, Universiti Teknologi PETRONAS, 32610, Seri Iskandar, Perak, Malaysia.

^bDepartment of Applied Chemistry and Biochemistry, Faculty of Advanced Science and Technology, Kumamoto University, 2-39-1 Kurokami, Chuo-ku, Kumamoto 860-8555, Japan.

^cInternational Research Organization for Advanced Science and Technology, Kumamoto University, 2-39-1 Kurokami, Chuo-ku, Kumamoto 860-8555, Japan.

^dInstitute of Pulsed Power Science, Kumamoto University, 2-39-1 Kurokami, Chuo-ku, Kumamoto 860-8555, Japan

¹E-mail address: ychungloong2009@gmail.com

^{2*}E-mail address (Corresponding author): drsuzana_yusuf@utp.edu.my; Tel: +6053687642; Fax: +6053688204

³E-mail address: quitain@kumamoto-u.ac.jp

⁴E-mail address: yoshimitsu_uemura@utp.edu.my

⁵E-mail address: msasaki@kumamoto-u.ac.jp

⁶E-mail address: tetsuya@kumamoto-u.ac.jp

Download English Version:

<https://daneshyari.com/en/article/7068095>

Download Persian Version:

<https://daneshyari.com/article/7068095>

[Daneshyari.com](https://daneshyari.com)