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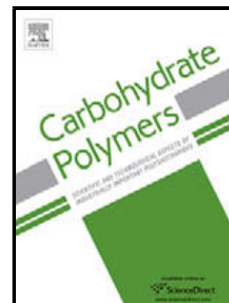
Title: Cellulose Acetate from Oil Palm Empty Fruit Bunch Via A One Step Heterogeneous Acetylation

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PII: S0144-8617(15)00504-4

DOI: <http://dx.doi.org/doi:10.1016/j.carbpol.2015.06.011>

Reference: CARP 9995



To appear in:

Received date: 2-2-2015

Revised date: 2-6-2015

Accepted date: 4-6-2015

Please cite this article as: Daud, W. R. W., and Djuned, F. M., Cellulose Acetate from Oil Palm Empty Fruit Bunch Via A One Step Heterogeneous Acetylation, *Carbohydrate Polymers* (2015), <http://dx.doi.org/10.1016/j.carbpol.2015.06.011>

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1 Research Highlights

- 2 • Acetone soluble CA of DS 2.52 was produced from OPEFB pulp
- 3 • The heterogeneous acetylation does not involve the hydrolysis step
- 4 • Made possible through mathematical modeling of the process
- 5 • Tensile strength and Young's modulus of OPEFB-CA higher than commercial CA
- 6 • OPEFB has the potentials to be a replacement for wood pulp for production of CA
- 7

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