Accepted Manuscript

Optimization of Sodium Hydroxide Pretreatment and Enzyme Loading for Efficient Hydrolysis of Rice Straw to Improve Succinate Production by Metabolically Engineered *Escherichia coli* KJ122 under Simutaneous Saccharification and Fermentation

Apichai Sawisit, Surawee Jampatesh, Sirima Suvarnakuta Jantama, Kaemwich Jantama

PII: S0960-8524(18)30469-3

DOI: https://doi.org/10.1016/j.biortech.2018.03.107

Reference: BITE 19746

To appear in: Bioresource Technology

Received Date: 26 January 2018 Revised Date: 23 March 2018 Accepted Date: 24 March 2018



Please cite this article as: Sawisit, A., Jampatesh, S., Jantama, S.S., Jantama, K., Optimization of Sodium Hydroxide Pretreatment and Enzyme Loading for Efficient Hydrolysis of Rice Straw to Improve Succinate Production by Metabolically Engineered *Escherichia coli* KJ122 under Simutaneous Saccharification and Fermentation, *Bioresource Technology* (2018), doi: https://doi.org/10.1016/j.biortech.2018.03.107

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.

ACCEPTED MANUSCRIPT

Research article

Title: Optimization of Sodium Hydroxide Pretreatment and Enzyme Loading for Efficient Hydrolysis of Rice Straw to Improve Succinate Production by Metabolically Engineered *Escherichia coli* KJ122 under Simutaneous Saccharification and Fermentation

Authors: Apichai Sawisit¹, Surawee Jampatesh¹, Sirima Suvarnakuta Jantama², and Kaemwich Jantama^{1,*}

Affiliated Address:

Metabolic Engineering Research Unit, School of Biotechnology, Institute of Agricultural
Technology, Suranaree University of Technology, Nakhon Ratchasima, 30000, Thailand
Division of Biopharmacy, Faculty of Pharmaceutical Sciences, Ubon Ratchathani University,
Ubon Ratchathani, 34190, Thailand

For consideration: Bioresource Technology

Corresponding author:

Professor Kaemwich Jantama, Ph.D.

Metabolic Engineering Research Unit School of Biotechnology, Institute of Agricultural Technology, Suranaree University of Technology, 111 University Avenue, Suranaree sub-district, Muang district, Nakhon Ratchasima, Thailand 30000

Phone+:66-66-44-224-562; Fax+:66-44-224-154; E-mail:kaemwich@sut.ac.th.

Abstract

Download English Version:

https://daneshyari.com/en/article/7067242

Download Persian Version:

https://daneshyari.com/article/7067242

<u>Daneshyari.com</u>