
チュラーロンコーン大学（タイ） 研修報告書

ホテアオイの水熱前処理に関する研究

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1. はじめに

2015 8 6 9 3

2. 共同研究テーマ

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Chulalongkorn University

Professor. Tawachai

Fig. 1
50 350 rpm

Table 1

5~10 wt%

TOC

HPLC

CHN NREL

Table 2

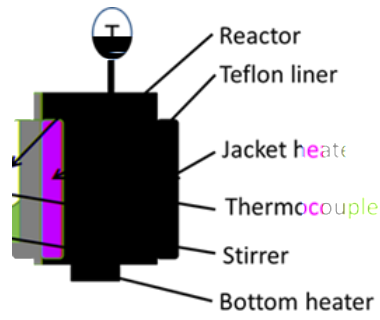


Fig.1

Table 1

Table 2

β – glucosidase

μm

Fig.2

1

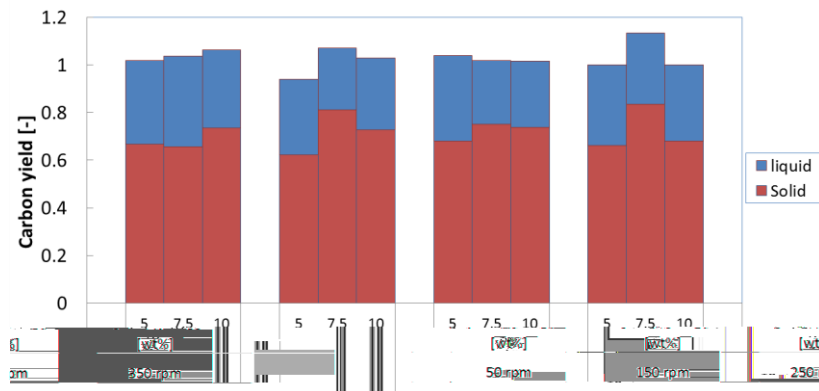


Fig.2

Fig.3 4

rpm

150 rpm

250 rpm

50

Eq. (1)

Hydrothermal hydrolysis efficiency

$$= (\text{Cellobiose} + \text{Glucose}) / (\text{Cellulose in raw material})$$

(Eq.1)

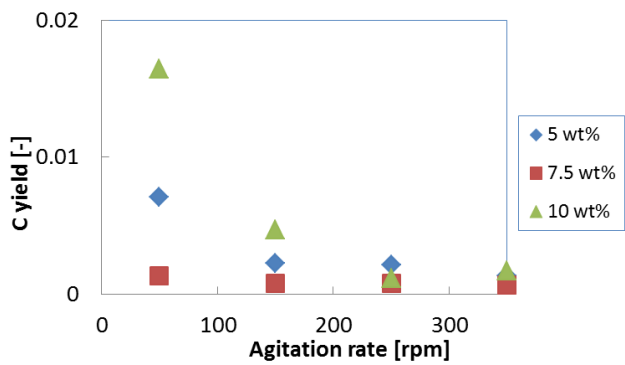


Fig.3

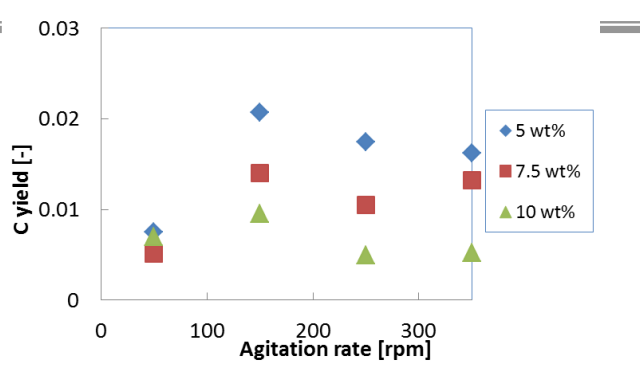


Fig.4

Fig. 5 5 7.5 wt% 150 rpm
 10 wt% 50 rpm

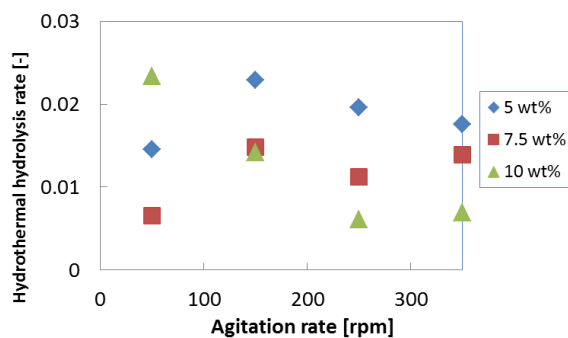


Fig.5

Fig.6 7 24
 50 rpm

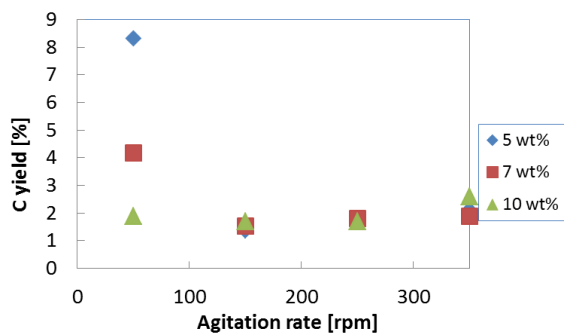


Fig.6

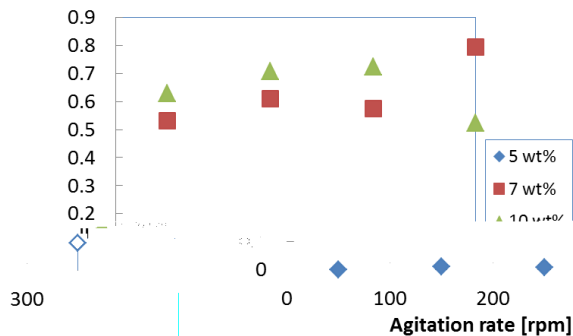


Fig.7