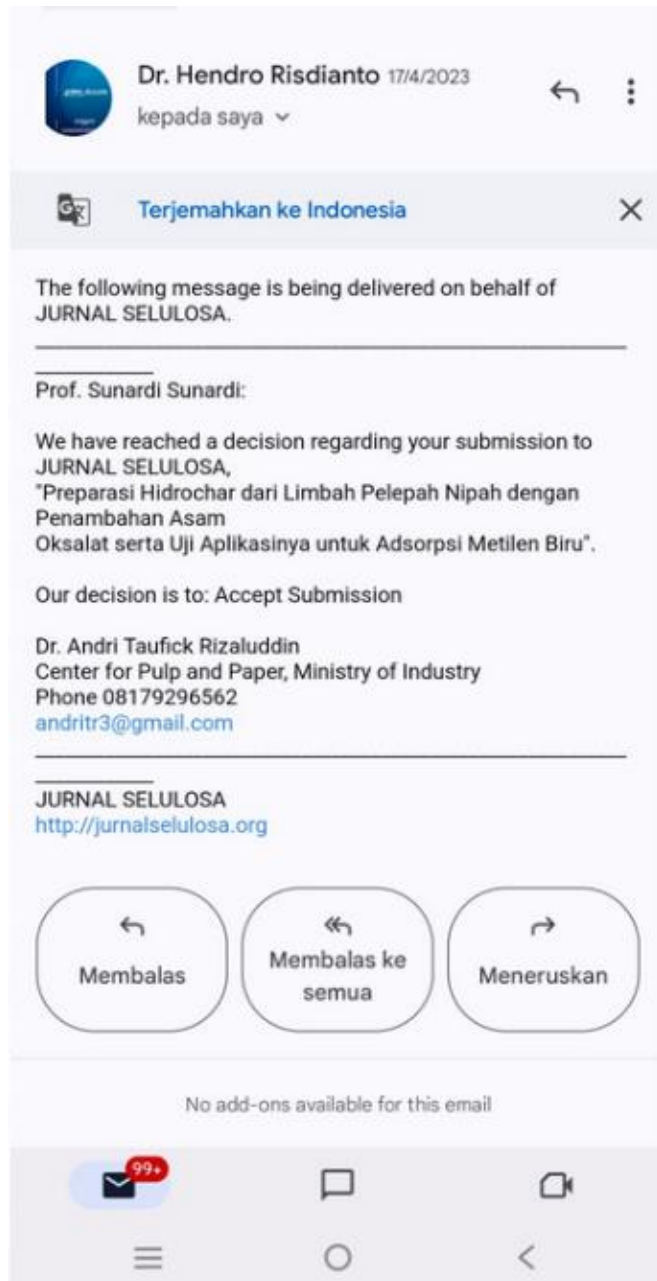


BUKTI KORESPONDENSI

Judul Artikel: Preparasi Hidrochar dari Limbah Pelepah Nipah dan Penambahan Asam Oksalat serta Uji Aplikasinya untuk Adsorpsi Metilen Biru





Dr. Hendro Risdianto 6/4/2023

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Our decision is: Revisions Required

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Journal Selulosa Vol. 14 No. 1 2023
JURNAL SELULOSA
p-ISSN 2027-6962
e-ISSN 2088-7900

Preparasi Hidrochar dari Limbah Pelepa Nipah dengan Penambahan Asam Oksalat serta Uji Aplikasinya untuk Adsorpsi Metilen Biru

Delayed for review

Hidrochar Preparation from Nipah Fruit Waste with Oxalic Acid Addition and Its Applications for Methylene Blue Adsorption

Abstract

*In this research, preparation of hidrochar from *Lippocaulium nipah* fruit waste was carried out using the hydrothermal method and its application as an adsorbent for methylene blue dye. This study aims to determine the effect of the addition of oxalic acid on the characteristics and adsorption ability of hidrochar from nipah fruit to adsorption of methylene blue. The hydrothermal process was carried out at 170°C for 2 hours with the addition of oxalic acid at a concentration of 0, 1.5, 3.0, and 4.5% (v/v). Substrate resulting from the hydrothermal process was characterized using FTIR spectroscopy to determine the functional groups changes of the nipah fruit. The results showed that the nipah fruit*

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Dr. Hendro Risdianto 20/2/2023

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Our decision is: Revisions Required

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Jurnal Selulosa Vol. 10 No. 1 Mei 2023
JURNAL SELULOSA
p-ISSN 2527-0862
e-ISSN 2588-7500

Preparasi Hidrochar dari Limbah Pelepah Nipah dengan Penambahan Asam Oksalat serta Uji Aplikasinya untuk Adsorpsi Metilen Biru

Abstract for review
Hydrochar Preparation from Nipah Fruit Waste with Oxalic Acid Addition and Its Application for Methylene Blue Adsorption

Abstract
In this research, hydrochar preparation of the lignocellulosic waste of nipah fruit was carried out using the hydrothermal method with the addition of oxalic acid. The hydrothermal process was carried out at a temperature of 120°C for 2 hours with the addition of oxalic acid at a concentration of 0, 1, 3%, and 4% (w/v). The results showed that the modified nipah fruit underwent reduction in total mass after the hydrothermal process along with the addition of oxalic acid. The hydrothermal solutions were characterized using FTIR spectroscopy to determine the functional groups of the nipah waste. The adsorption capacity of methylene blue underwent increase after the hydrothermal process with the

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Dr. Hendro Risdianto 25/1/2023



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terima kasih

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[JSel] Submission

Acknowledgement

Eksternal



Kotak Masuk



Dr. Hendro Risdianto 7/1/2023



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