

Muhammad Said Usman <msaidusman@unsri.ac.id>

We have received your response for Call for Paper Computer Science, Engineering and Education Part 5

1 pesan

JotForm <noreply@jotform.com> Balas Ke: admincfp@konferensi.id Kepada: msaidusman@unsri.ac.id 30 April 2021 pukul 15.14

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Call for Paper Computer Science, Engineering and Education Part 5

Paper Title Synthesis of Al/Fe pillared bentonite:

Characterisation and analysis of thermodynamic

parameter

Author Name Muhammad Said
Affiliation Sriwijaya University

Email msaidusman@unsri.ac.id

Abstract The modification of bentonite by pillarization

process of Al/Fe metal oxide has been carried with metal oxide with ratios 1:2 and 2:1. The product was characterized by FT-IR, XRD and pHpzc analysis. Thus, this optimal pillarization product was used as an adsorbent of Congo red and Direct green

dyestuffs. The FTIR characterization does not show optimum pillarization processes for any metal oxide ratios, while the XRD analysis shows the optimum pillarization processes at ratio 2:1 i.e. 17.1 Å. In addition, the optimum pH for absorption of Congo red took place at 2 while for Direct green at 3. At 70oC, the highest adsorption capacity (Qe) reached 57.34 and 72.06 mol/g; and the highest adsorption energy (E) was found 3.23 kJ/mol and 4.14 kJ/mol for Direct green for Congo red and Direct green, respectively. Vice versa, the enthalpy (ΔH) and entropy (ΔS) values decreased as the increase of both Congo red and Direct green concentration.

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Robbi Rahim

Publication Chair



Muhammad Said Usman <msaidusman@unsri.ac.id>

RE: Call for Paper Computer Science, Engineering and Education Part 5

3 pesan

Robbi Rahim <admincfp@konferensi.id> Kepada: msaidusman@unsri.ac.id

1 Mei 2021 pukul 16.44

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Editor (Robbi Rahim)

From: JotForm <noreply@jotform.com> Sent: Friday, April 30, 2021 3:15 PM

To: admincfp@konferensi.id

Subject: Re: Call for Paper Computer Science, Engineering and Education Part 5

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Muhammad Said Usman <msaidusman@unsri.ac.id> Kepada: Robbi Rahim <admincfp@konferensi.id>

5 Mei 2021 pukul 13.00

We already paid the registration fee via bank transfer. Here we attach the screenshot of the payment. Thank you for the opportunity to publish the paper in the proceeding.

Warm Regards,

M.Said

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Robbi Rahim <admincfp@konferensi.id> Kepada: Muhammad Said Usman <msaidusman@unsri.ac.id> 5 Mei 2021 pukul 17.03

Dear Author,

Well received, thank you

Editor

Robbi Rahim

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Muhammad Said Usman <msaidusman@unsri.ac.id>

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