

The title of the manuscript maximum twenty word. The title should accurately, clearly, and concisely reflect the emphasis and content of the paper. The title must be brief and grammatically correct

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Abstract

A concise and factual abstract is required. (An approximate maximum of 250 words should be observed). The abstract should state briefly the purpose of the research, the principal results and major conclusions. An abstract is often presented separately from the article, so it must be able to stand alone. For this reason, References should be avoided, but if essential, then cite the author(s) and year(s). Also, non-standard or uncommon abbreviations should be avoided, but if essential they must be defined at their first mention in the abstract itself.

Keywords: provide 3-5 significant keywords to aid the reader in literature retrieval. The first letter of each keyword is capitalized, and separated with comma (,).

INTRODUCTION

The introduction of the manuscript should be written in good and grammatically checked English (Sediawan, 2020). State the objectives of the work and provide an adequate background, avoiding a detailed literature survey or a summary of the results. It is not permitted to display figures and tables in this section. In the last paragraph, the author must state the objectives of the work clearly (Azis and Sulistyo, 2021). Please ensure that every reference cited in the text is also present in the reference list (and vice versa).

EXPERIMENTAL SECTION

Provide sufficient detail to allow the work to be reproduced, which may include Materials, Instrumentation, and Procedure.

Materials

Please provide details of the manufacture and purity of the materials used, e.g., CH₃COOH (99% purity Merck, Germany).

Instrumentation

Please provide details of the instrumentation used.

Procedure

Methods already published should be indicated by a reference: only relevant modifications should be described. For theoretical or computational work, this

experimental section may be modified into Computational Details, which may include the Software, Algorithms, Equations, etc. It is not necessary to include the Materials or Instrumentations for a sole theoretical/computational work.

RESULTS AND DISCUSSION

Results and discussion contain findings of research and their discussion. All findings must be supported by sufficient data. This part must answer hypothesis of the research stated in the Introduction. The actual results and discussion, supported by schemes, figures, graphs, tables, reactions, and equations. Figures, charts, tables, schemes, and equations should be embedded in the text at the point of relevance. All Tables and figures must have a title or caption and a legend to make them self-explanatory. In addition, the equation should be written using the equation editor.

Tables

Tables are numbered consecutively with Arabic numerals. The title should immediately follow the table number at the head of the table. Tables should appear within the manuscript when mentioned and should not be grouped at the end. Abbreviations and linear chemical formulas may be used in headings and columns of tables.

Each table must have a brief (one phrase or sentence) title that describes the contents. The title should be understandable without reference to the text. Details should be put in footnotes, not in the title. Tables should supplement, not duplicate, the information presented in the text and figures. Tables should be simple and concise.

Table 1. Assumption and differential equations of mechanistic model 1 (MM1) and mechanistic model 2 (MM2)

	MM1	MM2
Assumption	- Pseudo homogeneous system - Absence of lignin condensation	- Pseudo homogeneous system - Occurrence of lignin condensation
Lignin	$\frac{dC_A}{dt} = -k_1 C_A C_H$	$\frac{dC_A}{dt} = -k_1 C_A C_H$
Solubilized lignin	-	$\frac{dC_{A_l}}{dt} = k_1 C_A C_H - k_c C_{A_l}$
Condensed lignin	-	$\frac{dC_{A_c}}{dt} = k_c C_{A_l}$
Cellulose	$\frac{dC_B}{dt} = -k_2 C_B C_H$	$\frac{dC_B}{dt} = -k_2 C_B C_H$

Structural Drawings

Structural formulas should be carefully drawn and numbered consecutively in order of appearance in the text. Structures should be produced with the use of a drawing program such as ChemDraw or other similar software.

Figures

Figures are numbered consecutively with Arabic numerals. Figures should appear within the manuscript when mentioned and should not be grouped at the end. Providing high resolution of figure is important to ensure good quality of manuscript. Provide the figures in clearer style and delete the unnecessary background and lines. It is highly recommended that figures/image/diagrams that might have been created in other software, e.g. Excel, AutoCAD, etc., or even the ones that are composed by various graphical components (textbox, arrows, shapes, etc.) of MS Words itself be grouped and converted to PNG (highly preferred) or an appropriate raster image format before including them in final manuscript in order to stop the linking of figures back to its sources or to avoid the graphical components scattering over the pages. Captions for figures should follow on the same line as the figure number. The caption should be understandable without reference to the text. Ensure that any symbols and abbreviations used in the text agree with those in the artwork.

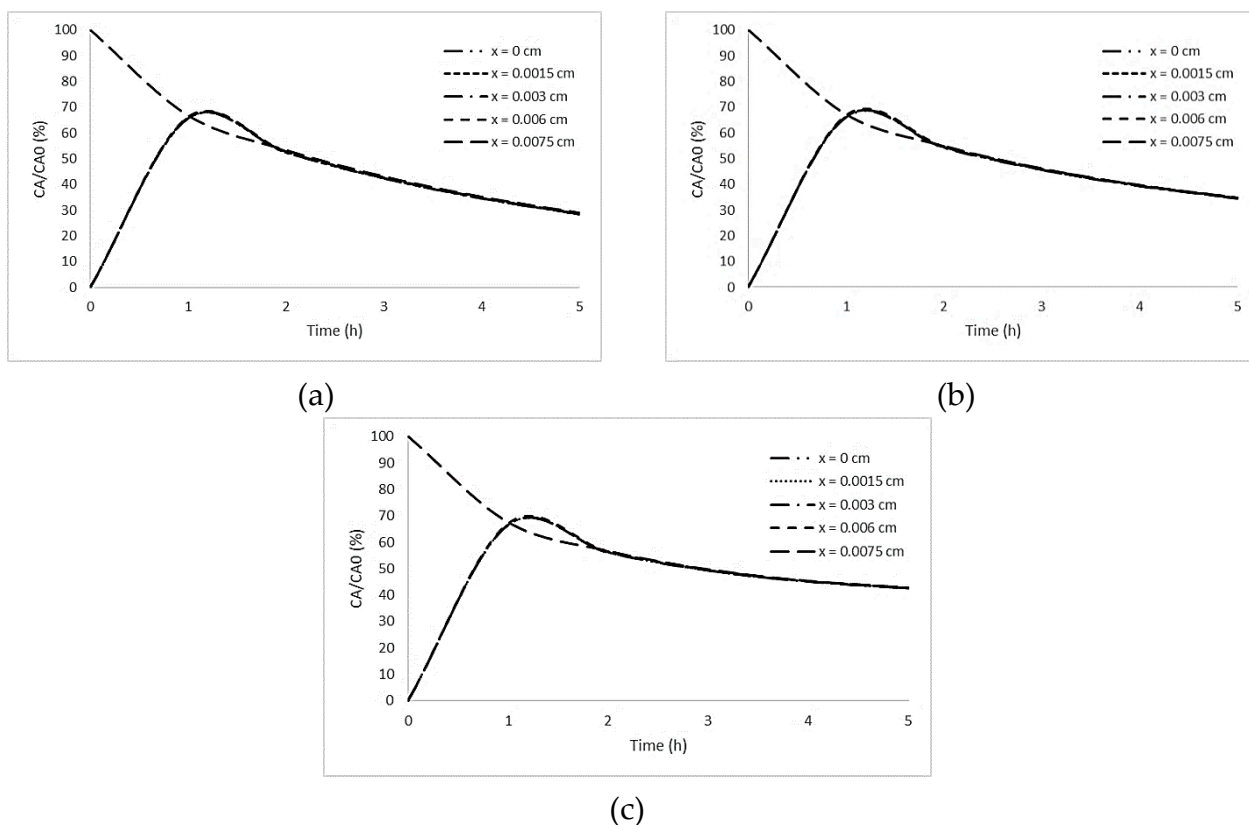


Figure 1: The sodium xylene sulfonate concentration fraction profile in bagasse particle as time function for sugarcane bagasse hydrotropic reactive extraction performed at 5wt% bagasse loading, temperature of 338K and sodium xylene sulfonate concentration: (a) 10%, (b) 20% and (c) 30%.

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Equations

Chemical and mathematical equations are denoted by Arabic numerals in parentheses at the right side [i.e., (1), (2), etc.]. Such equations are referred to in-text as Eq. (1), and so on; and should be numbered consecutively. Mathematical equations must be typed and should be presented in the proper type style (i.e., italics, boldface, subscript, superscript, etc.).

$$A k_{l1} \rightarrow A_l k_c \rightarrow A_c \quad (1)$$

$$\frac{\partial C_{Af}}{\partial t} = -\frac{D_{eA}}{V_L} \cdot 2S \cdot Nb \cdot \frac{\partial C_A}{\partial x} \bigg|_{L/2} \quad (2)$$

CONCLUSION

This section should emphasize the major interpretations and conclusions of the paper as well as their significance. The main conclusion must correspond to the objective of the research as a short conclusion, which may stand alone or form a subsection of a Discussion or Results and Discussion section.

ACKNOWLEDGEMENTS

Generally, the last paragraph of the paper is the place to acknowledge people (dedications), places, and financing. The acknowledgment should be brief and must be written about the original supporters of the work and to the reputed institutions. The grant number of financial supports and sponsors must be provided.

REFERENCES

References are placed at the end of the manuscript. The authors are responsible for the accuracy and completeness of all references. References must be up to date. It is recommended, for example, total reference is a minimum of 15 and up to date references (10 years old) is 80% from total references used. References should using references manager (zotero, endnote, mendeley etc). The references to other literature that you have cited in your main text should be written in Harvard (author, date) style. In the text, the author and year of the reference should be put in parentheses immediately after the work referred to, for example 'Controlled tests on the Millennium Bridge (Sediawan et al., 2021; Sulistyono and Azis, 2020; Hartati et al., 2019) during which...'. All references must then be listed, in full, at the end of the paper in alphabetical order, irrespective of where they are cited in the text. Where there are more than five authors of a reference, list only the first three, followed by et al.