**COVER LETTER**

Prof. Dr. R. Y. Perry Burhan, M.Sc. 14th February 2022

Department of Chemistry, Faculty of Science and Data Analytics,

Institut Teknologi Sepuluh Nopember Surabaya,

Kampus ITS Keputih, Surabaya 60111, Indonesia.

Dear Editor of Indonesian Journal of Chemistry (IJC),

We wish to submit an original research article entitled “Synthesis of 2-Hydroxyethyl Esters from Castor Oil as Lubrication Bio-Additive Candidates for Low-Sulfur Fossil Diesel” for consideration by the Indonesian Journal of Chemistry.

We confirm that the written manuscript is original, and no part of it has been published before, nor is any part of it currently under consideration for publication elsewhere.

Our manuscript focuses to discuss the synthesis of 2-hydroxyethyl esters from castor oil and its lubricity properties. Here, we choose castor oil because it is non-edible oil, and high hydroxylated fatty acid content that support its good lubricity properties. Interestingly, the product in this work demonstrated good lubrication properties. It can be proposed as a potential bio-additive for improving the lubricity of low-sulfur fossil diesel. The 2-hydroxyethyl ester is vital as a starting point for other researchers in developing lubricity enhancer bio-additives for diesel in the future. So far, other researchers have not reported the lubricating properties of the 2-hydroxyethyl ester from non-edible oils. In our opinion, this research belongs to the category of applied chemistry, therefore this manuscript is suitable published at IJC. The readers will find out how organic synthesis can be applied in improving the lubricating properties of low-sulfur diesel fuel for minimize friction and wear on metal surfaces of diesel engine components.

Please find below a list of potential reviewers for this work.

We have no conflicts of interest to disclose.

Please address all correspondence concerning this manuscript to me at peiburhan@gmail.com.

Your consideration is very much appreciated. We are looking forward to your favorable reply.

Sincerely,

Prof. Dr. R. Y. Perry Burhan, M.Sc.

**List of Potential Reviewers**

**Note:**

1. Reviewers should not be from the same institution as authors.

2. Reviewers have no research collaboration with authors in the last three years.

3. If possible, reviewers have a different nationality.

4. Final decision of the reviewers will be made by editors.

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| --- | --- | --- | --- |
| 1. | **Name** | **:** | **Dr. Amjad Ali** |
|  | Affiliation | : | School of Chemistry and Biochemistry, Thapar University,  |
|  | Address | : | Thapar University, Patiala 147004, India |
|  | E-mail | : | amjadali.tu@gmail.com, amjadali@thapar.edu |
|  | Reviewing Interest / Expertise | : | Synthesis of bio-additives for fossil diesel |

|  |  |  |  |
| --- | --- | --- | --- |
| 2. | **Name** | **:** | **Prof.** **[Laureano Canoira](https://www.sciencedirect.com/science/article/abs/pii/S096014810900233X%22%20%5Cl%20%22%21)** |
|  | Affiliation | : | Department of Chemical Engineering and Fuels, ETS Ingenieros de Minas, Universidad Politècnica de Madrid |
|  | Address | : | Universidad Politècnica de Madrid, Ríos Rosas 21, 28003 Madrid, Spain. |
|  | E-mail | : | Laureano.canoira.lopez@upm.es  |
|  | Reviewing Interest / Expertise | : | Synthesis of biofuel (FAME) |

|  |  |  |  |
| --- | --- | --- | --- |
| 3. | **Name** | **:** | **Prof. Nágila M.P.S Ricardo** |
|  | Affiliation | : | Department of Organic and Inorganic Chemistry, Sciences Centre, Pici Campus, Federal University of Ceará |
|  | Address | : | Federal University of Ceará, Fortaleza-CE, ZIP Code 60455-760, Brazil |
|  | E-mail | : | naricard@ufc.br |
|  | Reviewing Interest / Expertise | : | Synthesis of biolubricant |

|  |  |  |  |
| --- | --- | --- | --- |
| 4. | **Name** | **:** | **Prof. Imededdine Arbi Nehdi** |
|  | Affiliation | : | King Saud University, College of Science, Chemistry Department |
|  | Address | : | King Saud University, College of Science, Chemistry Department Riyadh 1145, Saudi Arabia |
|  | E-mail | : | Imed12002@gmail.com; inahdi@ksu.edu.sa |
|  | Reviewing Interest / Expertise | : | Oleochemistry research |