**COVER LETTER**

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

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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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