**COVER LETTER**

**Rini Dwiastuti**  August, 12th 2020

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Indonesia

Dear Editor of Indonesian Journal of Chemistry,

We wish to submit an original research article entitled “**Multiple Response Optimization of a HPLC Method for Analyzing Resorcinol and 4n-Butyl Resorcinol in Lipid Nanoparticles**” for consideration by 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.

In this paper, we have performed multiple response optimization to obtain an optimized reversed-phase HPLC separation condition for separating resorcinol and 4n-butyl resorcinol. HPLC condition such as methanol and acetonitrile percentage of mobile phase and its flowrate were observed as independent variables and nine experimental responses were stated as dependent variables. The optimization process was followed by system suitability test and quantitative determination for estimating the content of resorcinol and 4n-butyl resorcinol in lipid nanoparticle samples.

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 rini\_dwi@usd.ac.id.

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

Sincerely,

**Rini Dwiastuti**

**List of Potential Reviewers**

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