

## COVER LETTER

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Dear Editor of Indonesian Journal of Chemistry,

We wish to submit an original research article entitled “**An Electrochemical Aptasensor for the Detection of HER2 as a Breast Cancer Biomarker Based on Gold Nanoparticles-Aptamer Bioconjugates**” 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.

The highlight of this article are;

- developmet of an electrochemical biosensor based on gold nanoparticle-aptamer bioconjugates
- an aptasensor for breast cancer diagnostics
- the aptasensors's limit of detection of HER2 was lower than other aptasensors
- modeling Interaction between DNA Aptamer and HER2
- the affinity between aptamer with HER2 showed electrostatic interaction dominated their attractive forces.

We affirm that the submission represents original work that has not been published previously and is not currently being considered or submitted to another journal, until a decision has been made. Also, we confirm that each author has seen and approved the contents of the submitted manuscript.

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 **yeni.w.hartati@unpad.ac.id**.

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

Sincerely,

Yeni Wahyuni Hartati,

**Corresponding author**

## 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.

1. **Name** : **Prof. Dr. M. Lutfi Firdaus**

Affiliation : **Dept of Chemistry**

Address : Universitas Bengkulu

E-mail : [lutfi@unib.ac.id](mailto:lutfi@unib.ac.id); ml.firdaus@gmail.com

Reviewing Interest / Expertise : Analytical Chemistry, Sensors
2. **Name** : **Dr. Arif Engin Cetin**

Affiliation : **Izmir Genomic and Biomedicine**

Address : Izmir, Turkey

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Reviewing Interest / Expertise : Nanotechnology, Biosensors
3. **Name** : **Isa Anshory, Ph.D**

Affiliation : **Institute of Technology Bandung**

Address : Dept of Biomedical Engineering

E-mail : isa\_anshori@stei.itb.ac.id

Reviewing Interest / Expertise : Electrochemical biosensors
4. **Name** : **Tri Joko Raharjo, Ph.D**

Affiliation : **Universitas Gadjah Mada**

Address : Department of Chemistry

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Reviewing Interest / Expertise : Organic chemistry, Biotechnology