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COVER LETTER

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31 December 2020

Dear,
I/We wish to submit an original research article entitled "**Chloride Sensor Fabrication Based On Ag/AgCl Screen-printed Electrode Through Cyclic Voltammetric Technique: Scan Rate Effect**" for consideration by SINERGI.

I/We confirm that this work is original and has not been published elsewhere, nor is it currently under consideration for publication elsewhere.

In this paper, I/we report on / show that:

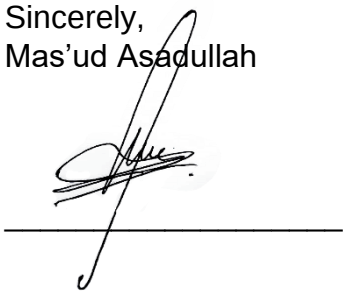
Topic	:	Chloride Sensor Fabrication Based On Ag/AgCl Screen-printed Electrode Through Cyclic Voltammetric Technique: Scan Rate Effect
Brief Background	:	Generally, the Ag/AgCl electrodes are fabricated through some methods such as the oxidation process with solvents and electrochemical processes such as asymmetric square wave voltammetry (aSWV), open current potential (OCP), or anodization process at certain voltages]. Besides, the Ag/AgCl fabrication process using the Cyclic voltammetric technique has also been previously carried out but only at one scan rate. In electrochemical processes using CV techniques, the scan rate can affect the microstructure of the surface of a substrate or electrode.
Research Problem	:	This Research aims to identify the scan rate effect of the CL-ion sensor fabrication process using the CV technique on the performance of the Cl-ion sensor.
Overview of Method	:	The cyclic voltammetry (CV) process was carried out in 1 cycle to grow the AgCl layer on the Ag surface. This process was carried out at varied scan rates of 20, 40, 60, 80, and 100 mV/s. After completing the Ag/AgCl fabrication process, it was followed by the characterization process, selectivity coefficient test,

		lifetime test, and validation test to compare the test results of the Cl SPE Ag/AgCl ion sensor with Ag/AgCl commercial.
Significant finding	:	This study reveals that the performance results of the fabrication of the Ag/AgCl electrode can be affected by the scan rate. Based on the obtained data, the optimum Cl ion sensor response was at a scan rate of 60 mV/s with the value of the Nernst number of -53.4 mV/dec and a linear range of $0.1\text{-}10^{-6}$ M.

We have no conflicts of interest to disclose.

Thank you for your consideration of this manuscript.

Sincerely,
Mas'ud Asadullah



AUTHORSHIP STATEMENT

I/We wish to submit an original research article entitled "**Chloride Sensor Fabrication Based On Ag/AgCl Screen-printed Electrode Through Cyclic Voltammetric Technique: Scan Rate Effect**" for consideration by SINERGI.

All persons who meet authorship criteria are listed as authors, and all authors certify that they have participated sufficiently in work to take public responsibility for the content, including participation in the concept, design, analysis, writing, or revision of the manuscript.

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POTENTIAL REVIEWERS

Please submit 3 (three) potential reviewers (*that have not listed in SINERGI*) to speed up the review process that competent for the topic and has a good reputation in that area.

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