**COVER LETTER**

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October, 12th 2022

Dear,

I/We wish to submit an original research article entitled “Performance Analysis of A Single-Cylinder Type Steam Turbine With A Capacity of 3.5 MW During Commissioning Period” 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:

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| Field | : | Steam Power Plant Engineering |
| Topic | : | Performance of Steam Turbine |
| Brief Background | : | The performance of the steam turbine under factory conditions will experience changes that can be caused by operating or environmental factors. Therefore, it is necessary to analyze the performance of the steam turbine during the commissioning period so that it can be compared with the performance of the steam turbine from the manufacturer |
| Research Problem | : | The influence of the operating parameters on the steam turbine can affect the performance of the steam turbine so that a test method is needed that can be used to determine the performance of the steam turbine so that the results of the study can be compared with the performance of the manufacturer's design. |
| Overview of Method | : | The accuracy of the test results depends on the isolation of the generating system so that at the time of testing the unit must be operated in isolated conditions. The parameter measurements that will be used for this study follow the rules recommended by the ASME PTC 6 standard, namely the primary flow is measured in the condensate flow. The feed water flow must be calculated using the mass and energy balance method in the water heater using the iterative fixed point method to solve the equation. |
| Significant finding | : | The decrease in the performance of the steam turbine during the commissioning process was caused by an increase in the pressure value on the condenser side which resulted in an increase in steam rate consumption to produce a load of up to 100%. |

We have no conflicts of interest to disclose.

Thank you for your consideration of this manuscript.

Sincerely,

Bagus Adi Saputra

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**AUTHORSHIP STATEMENT**

I/We wish to submit an original research article entitled “Performance Analysis of A Single-Cylinder Type Steam Turbine With A Capacity of 3.5 MW During Commissioning Period” 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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