

# Koresponden ICIME Performance of generator

The screenshot displays a Yahoo! Mail inbox with an open email from ICIME 2018. The email subject is "PLAGIARISM CHECK RESULT" and it is addressed to "Hendra Hendra". The sender is "ICIME 2018 <icime2018-0@easychair.org>". The email content includes a greeting "Dear Author(s)", a notice about a plagiarism check using Turn It In, and a request to revise the paper if similarity is above 20%. An attachment titled "PLAGIARIS... .docx" is visible. Below the main email, a reply from "h7f1973@yahoo.com" is shown, dated Nov 28, 2018, with the text "Dear Organizer, Herewith we send the revision our paper after check by plagiarism turn it in. Please check again our paper, thank you very much." The right pane shows a PDF document titled "149 Anizar et al revision 20191127.pdf" with page 1 of 6. The PDF content includes the title "Performance of Generator Pneumatic for Power Plant of Ocean Wave", authors "A. Indriani<sup>1)</sup>, Hendra<sup>2)</sup>, Yenni Suhartini<sup>3)</sup>, Ariani Tanjung<sup>4)</sup>", their affiliations, an abstract, and the start of an introduction section.

**PLAGIARISM CHECK RESULT**

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**Performance of Generator Pneumatic for Power Plant of Ocean Wave**

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**Abstract.** Pneumatic mechanism has been used in the electrical field, industrial field, automatic field, mechanical field and so on. The principle of pneumatic work is to push down the piston due to the pressure happens in this system. This mechanism can be applied for ocean wave power generation by use wave valve. In the previous study, pneumatic mechanism has been used for wave generator of wave power plant (1). Comparison of generator for power plant of ocean wave consist on shaft tube, magnet mechanism, turbo, lamp LED and wire. In this paper we will focus on the variety of dimensions and position of valve and number of turbo. The results show that position valve of tube piston with double exhaust valve can be work well to give output (Voltage) compare the single exhaust valve. The variety of position of tube piston with double exhaust valve is 3.2 Volt with 2 turbo and 2 partial tube piston.

**1. Introduction**

Ocean wave is a biggest resources that always exist in the world. Started from beginning of century until the end of century. Resource of ocean wave can be used for long time without less and also can be replace another resources such as fossil fuel, coal, gas and etc. Similarly with resources of solar, wind and water, ocean wave have some advantages like sea area widely, continuous, wavelength, change, flexible, simple equipment requirements, friendly for environment and animal. The problem is the hard to design machine or method to get the maximum performance of wave length. Application of wave length power plant can be used in ocean wave machine (1-4) such as Palami (1, 2), Oscillating Water Column (5, 6), Wave of Surge, Salter of Duck (1, 3), Cockcroft Rait (7-8) and Pironi (1).

In case of generator by using pneumatic mechanism, the problem happen at continuous move up and down of sea wave length, the pressure is not constant so driven generator therefore the performance of generator for ocean wave length power plant is not stable and optimum. This phenomenon needs some innovation for design to improve the performance of generator for wave length power plant. Like using variant valve to make the pressure become continuous driving generator by variant magnet, application many turbo and etc. (www.pneumatic-mechanism.com). In previous research we used one exhaust valve in the top of tube piston and the results show that pneumatic mechanism can give small