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Prof. Dr. Arif Hidayat, M.Si
Editor-in-Chief
JPSE (Journal of Physical Science and Engineering)

September 15, 2020
Dear Prof. Dr. Arif Hidayat, M.Si

I am pleased to submit an original research article entitled "Control of Air Pressurizer Levels on Pressurized Water Reactor (PWR) With Fractional Order PID Control System" by for consideration for publication in the *JPSE (Journal of Physical Science and Engineering)*. This manuscript focused on develop control system method for nuclear reactor application.

In this manuscript, we show that :

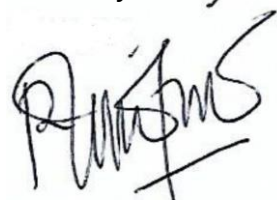
- If the Fractional Order PID is applied in real life to control the PWR pressurizer level, this method will be very capable of controlling the water level control process in the PWR pressurizer in accordance with one of the requirements, in which the maximum settling time is not more than 300 seconds. In analysis on stability, the system provided with FOPID controllers reached a stable state.

We believe that this manuscript is appropriate for publication by the *JPSE (Journal of Physical Science and Engineering)* because it about nuclear physics. Our manuscript is develop new control system method using fractional order PID for nuclear applications.

This manuscript has not been published and is not under consideration for publication elsewhere.

Thank you for your consideration.

Sincerely,



Rissa Damayanti, ST.
Graduate Student, Control Engineering – Electrical Engineering
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