

# Koresponden MEACM 2018

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Dear Organizer,

Thank you very much for your information. I am sorry just this time I open my email and I got e-mail from you. So sorry I send you our revised paper. Thank you very much. I have question about another paper ID 30 and ID 23 have some revision to sot. We are looking forward your information.

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The document viewer on the right shows a document titled "ID 26 Control system-REVISED.docx" with the following content:

### Control Systems of Rubber Dryer Machinery Components Using Programmable Logic Control (PLC)

Hendra\*, A. S. Yuliana<sup>1</sup>, A. Indriani<sup>1</sup>, Hernadewita<sup>2</sup> and Hermiyati<sup>3</sup>

<sup>1</sup> Mechanical Engineering Dept., University of Bangliulu, Indonesia  
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**Abstract.** Application of programmable logic control (PLC) is widely used on the control systems in the many field engineering such as automotive, aviation, food processing and other industries [1-2]. PLC is simply program to control many automatic activity, easy to use, flexible and others. PLC using the ladder program to solve and regulated the control system component. In previous research, PLC was used for control system of rotary dryer machine. In this paper PLC are used for control system of motion component in the rubber dryer machinery. Component of rubber dryer machine is motor, gearbox, sprocket, base, drying chamber and bearing. Principle working of rubber dryer machinery is wet rubber moving into the drying chamber by sprocket. Sprocket is driven by motor that conducted by PLC to moving and set of wet rubber on the drying chamber. Drying system uses greenhouse effect by making hanger dryer design in the form of line path. In this paper focused on motion control system motor and sensor drying rubber using PLC. The results show that control system of rubber dryer machinery can work in accordance control input and the time required to dry the rubber.

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