

**PERANCANGAN KONTROLER FUZZY AUTO TUNNING
SISTEM KENDALI KONVEYOR BERBASIS
MIKROKONTROLER**



Oleh:

Ilmawan Mustaqim, S.Pd.T

Moh Khairudin, MT

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**DESIGN AUTO TUNNING FUZZY CONTROLLER
OF CONTROL SYSTEM CONVEYOR BASE ON
MICROCONTROLLER
(PERANCANGAN KONTROLER FUZZY AUTO TUNNING
SISTEM KENDALI KONVEYOR BERBASIS MIKROKONTROLER)**

**Ilmawan Mustaqim, S.Pd.T
Moh Khairudin, MT**

**Dosen Jurusan Pendidikan Teknik Elektro, Fakultas Teknik, Universitas Negeri
Yogyakarta
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ABSTRACT

Objective the research is to design and implementation plant which is in the form of model konveyer with smart control systems fuzzy base on the mikrokontroller. Systems was controlled by fuzzy has arrange the respon of motor performance that is movement Faster, Fast, Normal, Slow, and Slower from effect of input sensor which indication variation sum of object.

This research represent the development research which is early with build and development. Steps of this research are: analysis of system requirement, design system, implementation, and examination. Prototype which developed consisted of the konveyor of object input, konveyor process to sorting object, and konveyor process to stamping object

Result of this research is design of development and making of unit konveyor for education. Performing the fuzzy control system at the unit konveyor can work as according to its function with the percentage of succes is 100%. Implementation of Fuzzy Logic can applicable in konveyer control systems better. So that system can give the respon intelligently from result of processing of variation input signal. This unit konveyer can be exploited for the study of smart control system at practice control programmed.

Keyword: Fuzzy Controller, Auto Tunning, Konveyor, Mikrokontroller