DESIGN OF DINAMO WINDING DEVICE USING MICROCONTROLLER

Student Name : Anita Suryaningsih
ID Number : 2211039002
Student Name : Rachmad Baktiono
ID Number : 2211039050
Lecturer Counsellor 1 : Ir. Hanny Boedinugroho, MT.
ID Number : 196107061987011001
Lecturer Counsellor 2 : Eko Pujiyatno Matni, S.pd.
ID Number : 197103301994031002

ABSTRACT

In the world of industrial armature winding process is still widely used manual force, which is human force. But, the winding process takes a long time and the result of winding process and calculation has low level of accuracy and precision. To solve this problem, will be made “Design of Dinamo Winding Device Using Microcontroller”.

This winding device is adopted from an existing manual winding device, then will be modified in order to make the winding device can work automatically. Modification device include utilization of motor DC as the driving force, limit switch sensor is used as counter, and added keypad as a device to enter the number of winding process.

Based on the observation, the result of winding process are suitable with the number of input. So that this device can be used as winding and counter at the same time, to replace human force.

Keywords : dynamo, limit switch, microcontroller, motor DC