Abstract
Grain drying process at this point there are many ways to use sunlight in the dry area. It takes a long time. So to shorten the time and without relying on sunlight needed to dry the grain in grain dryers. At grain dryers are one of them have grain drying process. To get the grain drying with a good product outcome measurement is needed. At the time of measurement, the value obtained from measurements in the form of analog numbers, in order to be processed by the microcontroller 8535 analogue to digital converter is required. Data from the ADC output will be processed by the microcontroller ATmega 8535 and displayed on PCs, in order to get a system interface from the microcontroller to a PC is the integration of Human Machine Interface (HMI). So that the HMI can be obtained through the data on the rice dryers and can create safety systems.

Keywords: Human Machine Interface (HMI), ATmega microcontroller 8535, a safety system (Safety System)