ABSTRAK

Tri Agus Nuryan Setyo Budi. E3211701. Department of Information Technology, Computer Engineering Program, State Polytechnic of Jember. detection rate of alcohol use sensor-based TGS 2620 minrokontroler. Supervising Commission, Hariyono Rakhmad, S.Pd, M.Kom and Elly Antika ST, M.Kom.

Many problems in society are often the emergence of the illegal manufacturers who make drinks with a high alcohol content or violates the rules limit alcohol content was determined. However, in practice, the manufacturer can be specified only display labels on its products, without examination and testing to determine alcohol content label. Based on the above problems, the authors are planning an alcohol concentration detector using sensor-based TGS 2620 minrokontroler. Alcohol is a substance which, if used or consumed in excess will harm the consumer body condition. In mixing a solution at this point is to count the manual dosing through certain chemical calculations, this will certainly hamper the provision of alcohol content and questionable accuracy. In this final report will discuss the work of the detector system alcohol levels using a sensor TGS 2620-based microcontroller.

Keywords : *Detector, alcohol content, Microcontroller*