

## ABSTRACT

---

*Digital scales are a measuring tool to measure the weight of the scales used in various fields, carrying a heavy bag continuously can cause damage to nerves, muscles, to bones, the impact will feel disturbed by the activities being carried out. Then in this system made a tool to avoid accidental susceptibility of someone's position in travelling far or near, can be called a backpacker. Based on these problems, then made a weight detector in the bag. This system can calculate the weight of the bag that is sent by the load cell sensor and sent to the HX711 module and then stored on the ATmega2560. This tool can provide notification of the weight of the load with a maximum weight of approximately 15 kg in the form of LCD information and buzzer sound.*

*Keywords: Weight notification, HX711 Module, ATmega2560, Load Cell, Buzzer*