

## ABSTRACT

*Baby Incubator is a medical tool and is particularly used for therapy for newborn babies is because the baby is born early or commonly called premature infants using the heat coming from the heater (heater). With therapy equipment is expected that the baby is born early or premature can get the heating temperature according to the temperature inside the womb.*

*The principle of the Baby Incubator is to provide heating in the premature baby who is adjusted to the normal human temperature is ranging between 36 ° -37 ° C.*

*In the previous year have been made aircraft Baby Incubator with a variety of applications. Now the author to modify the tool because the world demands the development of medical technology and that further analysis of the author.*

*At this end the author makes the task of Aircraft Equipped With Incubator Baby Skin And Sensor-Based Data Storage Mikrokontroller AT 89S51 (Setting Incubator Temperature Sensor Failure Detection and Space Incubator), which is able to provide comfort for premature babies.*

*Based on the results of the output LM 35 with the LCD display on the calculation results obtained, namely the level of measurement error to the output 35 on the LM room temperature 32-33 ° C is -1,26%*

*Baby Incubator Aircraft Equipped With Skin And Sensor-Based Data Storage Mikrokontroller AT 89S51 (setting Incubator Temperature Sensor Failure Detection and Space Incubator), this level have a good enough accuracy, because the two incubator space sensor (LM35) directly adjust the room temperature incubator with a baby's temperature , and also two incubator space sensor (LM35) always compare, and when the difference between the two > 2 ° C, then note that the temperature sensor (LM35) is failure sensors.*