“SMART INFANT INCUBATOR DESIGN BUILDING: INTEGRATION SYSTEM OF INFANT INCUBATOR VARIABLE DISPLAY”

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Abstract  
Have done the smart design infant incubator that has integrated display between multiple variables incubators, such as temperature and humidity incubator, length and weight of the baby, as well as the strong light.  
As a liaison between the incubator and the look of the serial communication used. Display using PC (Personal Computer). Display system using a GUI (Graphical User Interface) that is easily understood by new users, the programming language Visual Basic 6.0.  
The software is able to provide information on the condition of the infant incubator and equipped with CCTV. Incubator temperature monitoring with a range between 25,03 °C – 38,01 °C. Humidity monitoring incubator with a range between 55,24% - 75%. Monitoring of the baby weight from 0 kg range up to 5 kg. Monitoring length infants ranging from 0 cm to 62 cm. Monitoring of light strength with a range of 789 lux to 1999 lux. All of these variables comes with a database that stores all the data every time an existing variable. In addition to the temperature and humidity have a trend chart.

Keywords: Infant Incubator, Serial Communication, Display