

ABSTRACT

Jaundice, or better known as jaundice, is one of the diseases that often occurs in baby newborns. Mostly caused by the liver function is not working optimally. To find out could be through owned symptoms such as discoloration of the skin or the eyes, but it was only for a temporary diagnosis. Therefore, medical practitioners also conducted tests on blood samples were taken. These blood samples were taken instead of only once, often several times. And for newborns, it is quite painful.

To overcome this, many final assignment has tried to apply the detection of jaundice this, but most of these applications are designed to detect yellow discoloration on the skin. And obstacles that occur when the skin is detected the dark. To detect the color change will be quite difficult. Therefore, to overcome these deficiencies in this final project will be designed an application that can detect jaundice with yellow discoloration in the eye, the sclera rather part or the white part of the eye.

The parameters compared are the condition of change of the yellow color levels experienced with bilirubin levels that are owned by the baby.

Keywords: *Jaundice, yellow disease, eye sclera*