ABSTRAC

Process phototherapy that meaning asprocess utilizes light to remove bilirubin in blood . This process gets to be utilized deep Neonatal's hall, or baby room at hospital, utiilzed cure bilirubin's disease (yellow). That process is applied on hospital gets big scale and also hospital at region. That phototherapy's process utilize blue light's lamp.

On existing tool, found severally lack, which is total lamp just two and not marks sense control timer automatics,hourmeter, and casing that don't be equal to. Since that is writer modify that tool with close aught lack. Tool modifies this also been provided with timer's system automatic, earlier one utilizes manual timer.

Of measurement data count setting timer already being done, gotten average zoom glosses over(%error)± as big as 0.6%, Where does measurement do as much 5 times for each measurement.

After pass through study's process literature, experiment, module makings, and data collection, therefore gets to be concluded if tool " Phototherapy gets digital basis " reasonable be utilized and corresponds to planning.

Key word: Phototherapy, blue light lamp, automatictimer, hourmeter