

## **ABSTRACT**

*Acne is a skin disease that has a large number of sufferers, often experienced by some people, especially in adolescents due to excessive oil on the face or hormonal changes that result in not being confident and feeling uncomfortable*

*Bio Acne Light therapy is therapy use blue light with a wavelength of 405-420 nm to overcome skin problems with acne and control excess oil and be able to kill acne-causing bacteria without causing facial pain and acne scars with radiation time for 15 minutes and 20 minutes at 25cm performed twice a week.*

*From the manufacture of acne therapy tool using blue light is obtained results for irradiation 15 minutes obtained 0.1% error results, for 20 minutes results obtained error of 0.09% and with a distance measurement at 25cm obtained 0.12% error results.*

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*Keywords: Acne, Blue Light, Wave length*