

## ABSTRACT

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*In today's globalization era, technology is experiencing significant growth in all fields, one of them in Biomedical field. Ozone technology is one form of development in the medical field. Ozone itself has many functions one of which is to kill bacteria and mutagen cells. Ozone ( $O_3$ ) is obtained from the addition of atomic oxygen ( $O$ ) into the element of diatomic oxygen ( $O_2$ ) through various methods one of them with the utilization of electricity spark or commonly called corona discharge. Because of these problems the author aims to Make design and implementation of controlling system ozone generator using LCD touchscreen and Arduino based minimum system. Finally the tool expected by this final project has been achieved that ozone can be arranged by microcontroller, can produce ozone concentration as expected is 80 mg / Lt, one easy feature of this tool produce ozone is by using hand skoon.*

*Keywords: Corona Discharge, Oksigen , Ozone, Arduino, SSR*