

## ABSTRACT

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*Blood sugar is an extraordinarily important aspect contained in the body. Low levels of sugar levels in the body will cause dizziness and symptoms of brain malfunction, while a sharp increase in blood sugar levels will seriously disrupt the health of the body and can lead to death. So it is very important for humans to check their blood sugar levels regularly. In this final project, the author makes a blood sugar level detector using a photodiode that is integrated directly with the web. Photodiode is an electronic component that can convert light into electric current. Monitoring is a measure of a program with agreed terms and its sustainability must be maintained. Web-based is a tool that functions to collect, process, store and transfer information in the form of hypertext that can be accessed by software. This design is useful for making it easier for people to check blood sugar levels because by using this tool high and low blood sugar levels can be seen directly on the web and stored automatically in a database.*

*Keywords: Blood Sugar, Photodiode, Web.*