

## **ABSTRACT**

Submission of information that is not packaged properly only makes the reader confused and difficult to understand. Data visualization is required to pack the data view to make the reader understand.

In this Final Project designed a system that visualizes smartlighting in 3D Graph aims to analyze the value of lamp power generated then the data result will be displayed in the form of 3D graphics.

The graphs used are 2D graphics, 3D lines graphics + markers and 3D lines graphics. Then compared and be known which chart visualization is more informative.

After testing for 2x8 hours, a prototype that is able to run the system to observe the value of lamp power and visualize the value data in the form of 3D graphics aims to display more informative data.

**Keywords:** smart lighting, prototype, 3D graphics