



PROJECT REPORT
DETECTING THE NAME OF A BUILDING OR A
PLACE USING IMAGE PROCESSING (EAST)

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APPROVAL AND RATIFICATION PAGE



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first and foremost is to thank God Almighty for his blessings and love, so I can finish my final project successfully. The final project was intended as one of the requirements to take the Bachelor of Computer Science exam in the Informatic Engineering Study Program at Soegijapranata Catholic University Semarang.

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Semarang, January 21, 2021



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ABSTRACT

In this era, recognizing the name of a place is not easy because of the many new places and their names, so people want to know the name of a place quickly and easily. Especially when someone has difficulty or cannot memorize the name of the place and mispronounces the name of the place in an unclear way, and they tend to document the place by being photographed with the intention of making it easier to find information from that place. This situation can be especially important if a person has a very urgent need to know the name of the place he is looking for to do his job or other things quickly and with limited time.

I can finish the project "Identifying the Name of a Building or some Place using the EAST Algorithm". EAST (Efficient and Accurate Scene Text) is a text detector in natural scenarios in open CV is a deep learning model, The EAST is also a scene text detector model with file path, this EAST need OpenCV to input picture and then next will be processed by the library that we use. Also OCR (optical character recognition) is an image processing that can be detecting text.

The final result we get in this project is an image that we have selected from the dataset and which has been processed into an image that has been bounding box with CV2 and on the bounding box the detected text will appear so that it shows the name of a place or building as what we need.

Keyword: OCR, Text, Place, EAST, Image.

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