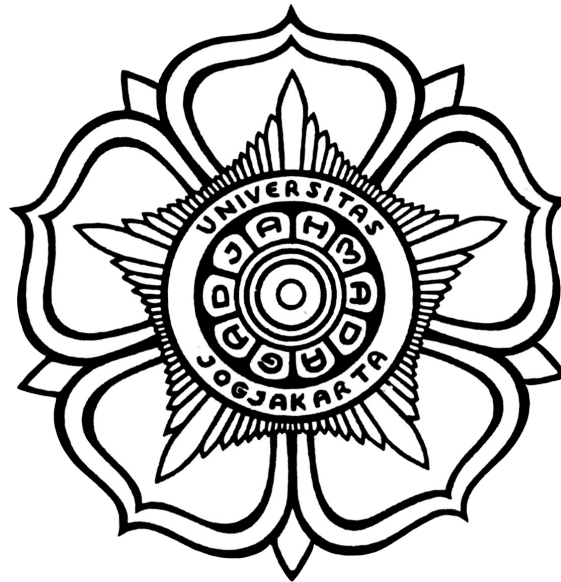


**UNDERGRADUATE THESIS**

**Effective Image Colorization Method based on Generative Adversarial  
Network Method and Convolutional Neural Network Method**



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