



**PROJECT REPORT**  
**FACE RECOGNITION USING LBPH ALGORITHM**  
**WITH MULTIPLE SCENARIO**

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Semarang, January, 27, 2023



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Semarang, 27 Januari 2023



Ferry Kurniawan

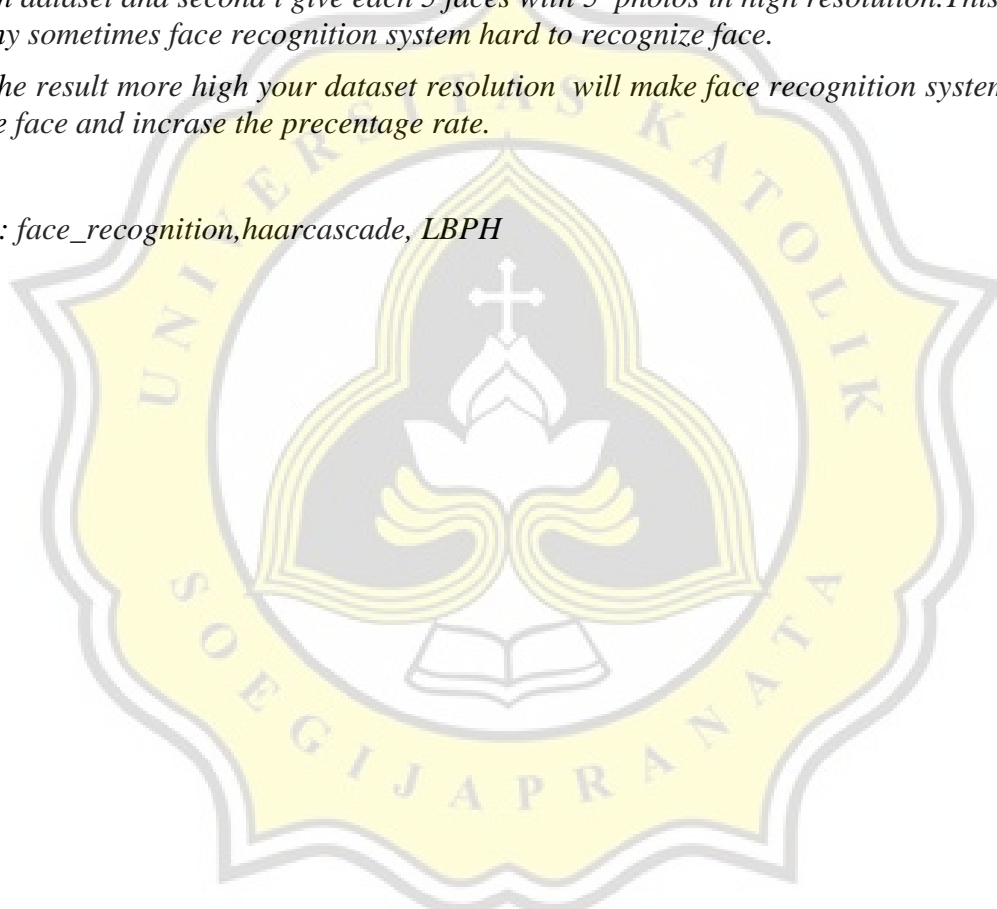
## ABSTRACT

*When you make some account in application you will fill name, password, and pin, but for now you must add your face for increase the security system. But in some case face recognition syster hard to recognize our face and this will interfere with the change data information process. That's why i'll try to find out why face recognition system sometimes hard to recognize face.*

*Many alogarithms about face recognition one of them is LBPH Face Recognition, this alogarithm is one of the best for face recognition because this alogarithm not affected by lighting. First i try with 5 faces every face i give 5 photos (random resolution) dataset, when i try 3 from 5 faces hard to recognize that's why i try to split first try i'll give each 5 faces with 5 photos in low resolution dataset and second i give each 5 faces with 5 photos in high resolution. This trials will tell us why sometimes face recognition system hard to recognize face.*

*The result more high your dataset resolution will make face recognition system easier to recognize face and increase the precentage rate.*

*Keyword: face\_recognition,haarcascade, LBPH*



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