ABSTRACT

Face are main human identifier. Nobody on earth has an excactly identical face naturally even if they are twins. There are many things that could differentiate human faces, such as patterns, skin color, size, proportion, etc. That very things causing something that we called beauty.

Proportion playing a big part on facial attractiveness. The position of the face features like eyes, nose, and mouth are very determining for the beauty things and face proportion. A good proportion have a identical value of ratio on many point of calculation. The ratio valued 1.618, an value that represent beauty called The Golden Ratio

On this final project, a research will be held to analyze the correlation of golden ratio and perception of beauty. Ratio are calculated by two kind of programs that runs in manual and automatic.

The system output are ratios of an image that is processed by the program and scored based on the equation that obtained from the correlation of beauty and the golden ratio. This final project shows that golden ratio and perception of beauty has linear correlation with 90.7% measuring accuracy.

Keyword: Face, Proportion, Golden Ratio