

ABSTRACT

The development of photography has been growing very rapidly now . This is because supported by more sophisticated devices . Unlike the past , cameras at the moment can be found on mobile phones , especially smartphones . Almost all smartphones today have a quite good camera . But still not as good as professional cameras can . But with the help of sophisticated smartphones , the effects on other cameras may be given in the figure . Examples Lomo Fisheye effect . Lomo Fisheye is one variant of the effects of the Lomo camera catches uniquely . Lomo Fisheye camera itself is quite expensive and difficult to obtain. So that only the limited time that can enjoy it .

In this final project, a image filtering android based application which can manipulate image shot to lomo fisheye effect added. Form of images produced by Fisheye Lomo camera will be convex shaped like a eye of fish . This gave rise to such distortions uniquely . By doing engineering in digital image pixel mapping method , the camera catches the snap smartphone application can mimic the results of Lomo Fisheye camera .

In conclusion, this application can filtering an image to lomo fisheye. Some feature have been added to this application to make user satisfied. They can choose several lomo fisheye effect which have different configuration in this application provided.they can save the output or share to any social media. Afterall, this application is work very well, and receive good response from respondent.

Keywords : *smartphone, android, image filtering, Lomo, fisheye*