

***DESIGN AND BUILD A VIRTUAL TOUR APPLICATION OF POLITEKNIK
NEGERI JEMBER AS A MEDIA OF INFORMATION USING IMAGE
STITCHING***

Ratih Ayuninghemi S. ST., M. Kom. As *Conselor*

Arini Firdausiyah

Study Program of Informatics Engineering

Majoring in Information Technology

Program Studi Teknik Informatika

Jurusan Teknologi Informasi

ABSTRACT

The emerge of COVID-19 has caused many impacts in various circles, one of which is the Politeknik Negeri Jember which requires its students to do online learning. So, new students are not familiar with the environment at the Politeknik Negeri Jember. In addition, due to the pandemic, the use of technology in Indonesia is increasing. One of them is a virtual tour that is used so that users can enjoy a virtual environment without having to visit the place. And the Politeknik Negeri Jember itself does not yet have a system that utilizes this technology. Making a virtual tour system requires a 360-degree panoramic image. Therefore, in this study a virtual tour application was designed at the Politeknik Negeri Jember as a medium of information. And an image stitching technique is applied which is expected to make it easier for users to manage virtual tour applications. Thus, the virtual tour application can be used as a useful information medium for students and the general public who want to know the environmental atmosphere at the Politeknik Negeri Jember.

Key words: *Virtual Tour, Panorama, Image Stitching*