ABSTRACT

Panoramic photo is the photo that produced from merger several of photos that taken in sequent then combined to produce a photo that can be seen until 360-degree viewing angle. The merger required a software that implements the stitching process, so that the photos can be combined into a 360 degree picture. At This Final Project will be built an application that can merge these photos are. To merge the photos these applications using the stitching process, where the stitching process is a process of combining multiple images with overlapping fields of pastures to produce images which have a size and a wider viewing angle. In the stitching process takes several features including FAST corner detector is used to detect the existing corner on the photos and BRIEF corner matching is use for perform matching of the angle that has been detected is then used as a reference for the merger. And then BRIEF corner matching algorithms perform matching against the corner most match and then combined with the stitching process. Results of the stitching process is 360-degree panoramic photos that photos can be viewed with the viewing angle to 360-degree.

Key Words: HTML5, Panoramic, FAST Corner Detector, BRIEF Corner Matching