ABSTRACT

The purpose of this research is to extracting a feature for tracking military uniform. This extracting isn't affected by viewpoint, scale and rotation, it becomes risky to find a particular feature that is different with another image. the way of work SIFT algorithm is to find feature with determinated a keypoint and methode that is used is different of gaussain, that is to find a difference between pixel that close to another pixel for image matching with various parameter like viewpoint, scale, and rotaion with utilize the keypoint result from SIFT. Examination is done with three procces that is RGB colleting data, convert to grayscale, convert to blur for comparation to find striking image. from that result, image matching with elimintaion of different of gaussian is the better for tracing military unifrom.

Keywords : ekstraksi fiture, SIFT, Different of Gaussain