

Pemodelan virtual bangunan arkeologi Candi Kelir di Taman Wisata Candi Prambanan menggunakan kamera amatir digital

Deskripsi Lengkap: <https://lib.ui.ac.id/detail?id=20406610&lokasi=lokal>

Abstrak

Three dimensional virtual model has a very promising method to visualize archeological building. In this case, amateur digital camera can be used to take pictures of archeological building. Utilizing amateur digital camera based on some reasons. i.e: it's available on market, low cost price, and very good radiometric and spatial resolution.

This research investigates 3D virtual model of archeological building which developed using close range photogrammetry (CRP) by utilizing amateur digital camera. In this case, Kelir Temple, which located in Taman Wisata Prambanan, is chosen as a model. The research carried out in 4 steps: premarking and measuring temple dimension, taking overlap snapshot, photogrammetric processing of overlap images, and evaluation of result.

The research shows 3D virtual model of Kelir Temple has very realistic vizualization, and average discrepancy between direct measurement using tape meter and measurement in 3D virtual model is 0.39 cm. The result indicate that utilizing amateur digital camera and CRP processing is suitable to construct a 3D virtual model of archeological Temple.