













Finally, visualization of the result of the methodology was done in 3D using ArcGIS. Animations were created from the result of methodology to better visualize the construction phases.

Future research on techniques regarding 3D reconstruction of images is recommended since the quality of as-built 3D model relies heavily on the process of reconstruction. More experiments the acquisition of images should be conducted. Also, the methodology for construction progress monitoring needs to be further enhanced by automating the entire process of monitoring. This will lessen if not eliminate the dependence on the user leading to improved efficiency and accuracy. Furthermore, it is also recommended to apply the methodology in the beginning of the construction phase since this will better represent the status of building elements as the occluded and not visible building elements will be captured by the UAV. Lastly, it is suggested to conduct further research on methods regarding the removal of scaffoldings, temporary walls, formworks, and other unnecessary materials that affect the detection of building elements.

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