

The Using of Unmanned Aerial Vehicle (UAV) Technology for Land Acquisition in Highway Construction Area

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SUMMARY

The construction of highway is one of the most important development because it concerns human accessibility. Highway is not only solution for overcoming the traffic, but also increase the economy development of the state. Many areas in Indonesia which have less potential of economic development, but after construction of highway, the economic of those areas increase, because the accessibility of the area is increasing and many investors are interested in investing. This research takes in Cileunyi - Sumedang - Dawuan (Cisumdawu) Highway construction area. At the time of planning highway there are some obstacles related to land acquisition. Land acquisition is a fairly sensitive issue and can lead to conflict as it relates to ownership and value of a person's land. The solution offered to minimize conflicts in the field is to use unmanned aerial vehicle (UAV) technology. UAV technology generally uses air-controlled drone aircraft and takes the area around the Cisumdawu Highway construction area. After obtaining the Cisumdawu Highway area, it is then performed in a plot of land parcels integrated with the land value. Using UAV technology, the land valuation scheme will be easier to compensate for further negotiations with local community and minimize field surveys that may arouse suspicion within the community.

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