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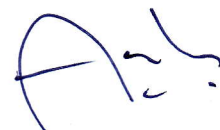
Dengan ini menyerahkan karya ilmiah berupa ~~Tugas Akhir/Skripsi/Tesis/Disertasi\*~~ dengan judul :

**Analisa Stabilitas Waduk Bendo  
Terhadap Ketidakpastian Material Propertis  
(Studi Kasus Pembangunan Waduk Bendo  
Di Kabupaten Ponorogo, Provinsi Jawa Timur)**

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Semarang, 04 September 2019  
Yang menyatakan,



Surya Wibie Artha

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**[JACEE] Submission Acknowledgement**

1 pesan

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4 September 2019 07.19

Kepada: surya wibie artha &lt;webee1010@gmail.com&gt;

The following message is being delivered on behalf of Journal of Advanced Civil and Environmental Engineering.

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surya wibie artha:

Thank you for submitting the manuscript, "BENDO DAM STABILITY ANALYSIS AGAINST THE UNCERTAINTY OF PROPERTIES MATERIAL (Case Study of Bendo Dam Construction in Ponorogo District, East Java Province)" to Journal of Advanced Civil and Environmental Engineering. With the online journal management system that we are using, you will be able to track its progress through the editorial process by logging in to the journal web site:

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## #5159 Summary

SUMMARY REVIEW EDITING

### Submission

Authors	surya wibie artha	
Title	BENDO DAM STABILITY ANALYSIS AGAINST THE UNCERTAINTY OF PROPERTIES MATERIAL (Case Study of Bendo Dam Construction in Ponorogo District, East Java Province)	
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### Submission Metadata

[EDIT METADATA](#)

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#### Title and Abstract

Title BENDO DAM STABILITY ANALYSIS AGAINST THE UNCERTAINTY OF PROPERTIES MATERIAL (Case Study of Bendo Dam Construction in Ponorogo District, East Java Province)

Abstract Bendo Dam uses a stone heap type with a vertical core or a middle waterproof coating. Based on the planning, taking stone heap material from the Bondrang area and taking clay and sand around the reservoir location. It turns out that the availability of material at the location of the source cannot support the work of the pile so that a new source of material is needed. Therefore, a study was conducted to analyze the stability of the Bendo Dam against the uncertainty of property material which aims to determine the safety value of the stability of the dam's slope to new materials. The data processing method used in this research is by making 4 simulations of the cross-section of the slope, then inputting the data into the 2012 GeoStudio SLOPE / W program. The results of the study explained that SF(Safety Factor) values with frequencies above 5% with a data content probability had a small minimum and maximum intervals. This indicates that the weight distribution of data has little affect on stability, because the range of data does not have excessive variation. And if there are anomalies of previous test data in the field, quality control has been carried out, resulting in relatively similar data. Therefore probability data processing from the distribution of other parameter data such as cohesion and shear angle is needed to determine the comparison, which parameters greatly affect the value of the safety factor.

#### Indexing

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