

## [IJSTM] Submission Acknowledgement

Dari: Arman Harahap (journalijstm@gmail.com)

Kepada: ediedison950@yahoo.co.id

Tanggal: Rabu, 15 September 2021 21.36 WIB

Edison Edison:

Thank you for submitting the manuscript, "Determinants of Technical Efficiency in Smallholder Corn Crop Farming: Application of Stochastic Frontier Production Function: -" to International Journal of Science, Technology & Management. 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:

Submission URL: <https://ijstm.inarah.co.id/index.php/ijstm/authorDashboard/submission/335>

Username: ediedison950

If you have any questions, please contact me. Thank you for considering this journal as a venue for your work.

Arman Harahap

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## [IJSTM] Editor Decision

Dari: infoijstm infoijstm (journalijstm@gmail.com)

Kepada: ediedison950@yahoo.co.id

Tanggal: Minggu, 26 September 2021 18.59 WIB

Edison Edison:

We have reached a decision regarding your submission to International Journal of Science, Technology & Management, "Determinants of Technical Efficiency in Smallholder Corn Crop Farming: Application of Stochastic Frontier Production Function: -".

Our decision is to: Accept Submission

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## [IJSTM] Editor Decision

Dari: infoijstm infoijstm (journalijstm@gmail.com)

Kepada: ediedison950@yahoo.co.id

Tanggal: Selasa, 28 September 2021 21.26 WIB

Edison Edison:

The editing of your submission, "Determinants of Technical Efficiency in Smallholder Corn Crop Farming: Application of Stochastic Frontier Production Function: -," is complete. We are now sending it to production.

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INTERNATIONAL JOURNAL OF SCIENCE, TECHNOLOGY & MANAGEMENT (IJSTM)

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**PAPER ACCEPTANCE LETTER**

**Article Title : *Determinants of Technical Efficiency in Smallholder Corn Crop Farming: Application of Stochastic Frontier Production Function***

**Author : Edison<sup>1</sup>**

Article Type : **Original Article**

Thank you your submission to our journal.

We are pleased to inform you that your paper entitled "*Determinants of Technical Efficiency in Smallholder Corn Crop Farming: Application of Stochastic Frontier Production Function*" has been reviewed by 2 reviewers and had a positive opinion. This paper has been accepted for publication at the peer-reviewed "[International Journal Of Science, Technology & Management](#)", to published in **Volume 2, Number 5, September 2021.**

Thank you for publishing with us. We look forward to receiving future manuscripts from you.

Yours sincerely,



**Dr. Arman Harahap, M.Si**  
**Editor-in-Chief**

## ACCEPTANCE

Dari: jurnal ijstm (jurnalijstm@gmail.com)

Kepada: ediedison950@yahoo.co.id

Tanggal: Minggu, 26 September 2021 19.08 WIB

Dear Author

Thank you for sending his article in the journal IJSTM, your article" **Determinants of Technical Efficiency in Smallholder Corn Crop Farming: Application of Stochastic Frontier Production Function**" Will be published on Volume 2, Number 5, September 2021.

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## Determinants of Technical Efficiency in Smallholder Corn Crop Farming: Application of Stochastic Frontier Production Function

**Edison Edison**

University of Jambi

DOI: <https://doi.org/10.46729/ijstm.v2i5.335>

Keywords: best input practices, corn farming, and technical efficiency

### ABSTRACT

Agricultural expansion such as corn expansion is often associated with extensification and resulting land acreage loss. Best input practices could increase production and yields and thus potentially reduce land expansion. This study aims to investigate the ability of input, such as land and other factors to affect production in terms of technical efficiency, and investigate the best input practices on corn technical efficiency. Primary and secondary data are used to answer the research objectives. In this study, corn data were used in the 2019 Planting Season. A sample of 120 farmers was taken randomly by applying stratified random sampling that based on land area. Appropriate qualitative and quantitative data analysis methods are used which are distinguished based on their research objectives using the empirical model of production functions, and the technical efficiency model. The results show that all input has an effect to increase corn yield, and support technical efficiency increasing the effect of input using. However, the effect of input using on yields appears to operate through other methods but technical efficiency increases.

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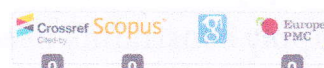
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