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Submission

Authors Hero Wintolo, Asih Pujiastuti, Ellyana Mega Dewantri Astuti
Title Cryptography of Java Language Using Basa Walikan Methods in Yogyakarta
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Date submitted September 25, 2019 - 11:14 AM
Section Keamanan Jaringan Komputer
Editor Freddy Kurniawan
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Submission Metadata

Authors

Name Hero Wintolo  (<https://senatik.itda.ac.id/index.php/senatik/user/email?redirectUrl=https%3A%2F%2Fsenatik.itda.ac.id%2Findex.php%2Fsenatik%2Fauthor%2Fsubmission%2F292&to%5B%5D=Hero%20Wintolo%20%3Cherowintolo%40stta.ac.id%3E&su>)
ORCID ID <http://orcid.org/0000-0002-4338-3238> (<http://orcid.org/0000-0002-4338-3238>)
URL <https://www.scopus.com/authid/detail.uri?authorId=57196062609> (<https://www.scopus.com/authid/detail.uri?authorId=57196062609>)
Affiliation Sekolah Tinggi Teknologi Adisutjipto
Country Indonesia
Bio Statement Peneliti adalah seorang dosen di Program Studi Teknik Informatika Sekolah Tinggi Teknologi Adisutjipto (STTA) Yogyakarta pada bidang Keamanan (PL), Komputasi Paralel dan T

Principal contact for editorial correspondence.

Name Asih Pujiastuti  (https://senatik.itda.ac.id/index.php/senatik/user/email?redirectUrl=https%3A%2F%2Fsenatik.itda.ac.id%2Findex.php%2Fsenatik%2Fauthor%2Fsubmission%2F292&to%5B%5D=Asih%20Pujiastuti%20%3Casih_puji%40yahoo.co.id%3E&su)
Affiliation Sekolah Tinggi Teknologi Adisutjipto
Country Indonesia
Bio Statement —

Name Ellyana Mega Dewantri Astuti  (<https://senatik.itda.ac.id/index.php/senatik/user/email?redirectUrl=https%3A%2F%2Fsenatik.itda.ac.id%2Findex.php%2Fsenatik%2Fauthor%2Fsubmission%2F292&to%5B%5D=Ellyana%20Mega%20Dewantri%20%3AEllyana%20Mega%20Dewantri%40stta.ac.id%3E&su>)
Affiliation Sekolah Tinggi Teknologi Adisutjipto
Country Indonesia
Bio Statement —

Title and Abstract

Title Cryptography of Java Language Using Basa Walikan Methods in Yogyakarta

Abstract *Basa Walikan can be used as one of the methods in cryptography because the Basa Walikan character exchange process is not easily understood by all people who can speak Javanese. Basa Walikan used in this research is Basa-Walikan in Yogyakarta, which is sourced from Javanese script characters written in a two-line countdown rule. In Roman characters it becomes ha, na, ca, ra, ka, da, ta, sa, wa, la, pa, dha, ja, yes, nya, ma, ga, ba, tha, nga. The*

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characters in Javanese script are written in 4 (four) lines. The process of character reversal in Basa Walikan uses the mechanism of the first line exchanged with the third line and the second line is swapped to the fourth line as well as the opposite. In this research software for message safety with Basa Walikan was made. From the White Box and Black Box test results it can be concluded that the encryption process and the description process are in accordance with the design of the application being made. If the word being tested is two consonants *m* and *p* that are close together, then the encryption process and the description process is done separately or by character.

Indexing

Academic discipline and sub-disciplines	—
Keywords	Cryptography, Basa Walikan, Web Based
Geo-spatial coverage	—
Chronological or historical coverage	—
Research sample characteristics	—
Type, method or approach	—
Language	id

Supporting Agencies

Agencies	—
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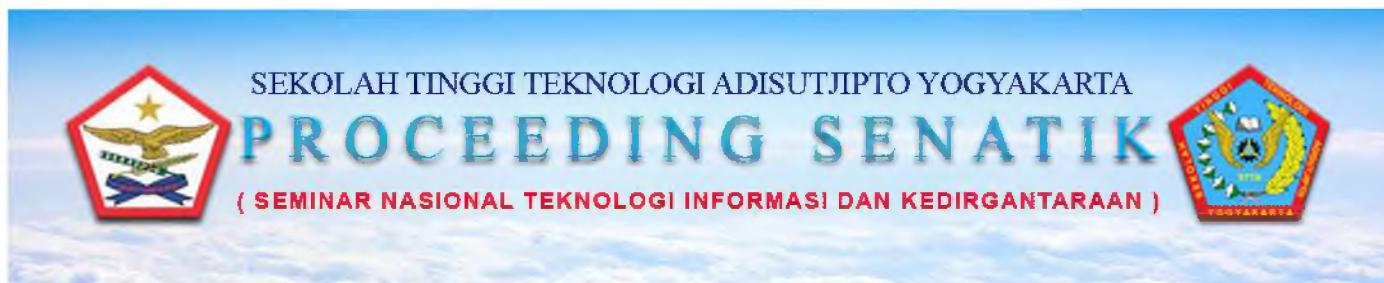


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Peer Review

Round 1

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Initiated		2019-09-26
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Editor Decision

Decision Accept Submission 2019-10-28

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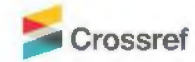
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