

LEMBAR
HASIL PENILAIAN SEJAWAT SEBIDANG ATAU PEER REVIEW
KARYA ILMIAH : PROSIDING

Judulkarya ilmiah (paper) : Implementation of Password Guessing Resistant protocol in Improving User Login Security on Academic Information System

Jumlah Penulis : 3 penulis

Status Pengusul : Arkhan Subari, Saiful Manan, **Eko Ariyanto**

Identitas prosiding :

- a. Judul Prosiding : Advanced Science Letters
- b. ISBN/ISSN : P.1936-6612, E.1936-7317
- c. Tahun Terbit/tempat pelaksanaan : Vol.24 No.12 Tahun 2018
- d. Penerbit/organiser : American scientific Publishers
- e. alamat repository PT/web prosiding : <https://www.ingentaconnect.com/content/asp/asl/2018/00000024/00000012/art00114>
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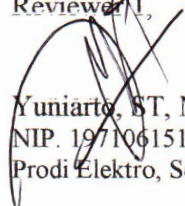
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- b. Ruang lingkup artikel relevan
- c. Data dan informasi cukup
- d. Terbit pada prosiding nasional

Semarang,

Reviewer 1,


 Yuniarto, ST, MT
 NIP. 197106151998021001
 Prodi Elektro, Sekolah Vokasi

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	15		
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b. Ruang lingkup dan kedalaman pembahasan (30%)	4,5		4,25
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	4,5		4
d. Kelengkapan unsur dan kualitas terbitan/prosiding (30%)	4,5		4,25
Total = (100%)	15		13,50
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- b. Kedalaman pembahasan tdk menggunakan literatur
- c. Data dan metode menggunakan kualitatif & kuantitatif
- d. Kualitas terbitan prosiding cukup

Semarang,

Reviewer 2,

Priyo Sasmoko, S.T, M.Eng
 NIP. 197009161998021001
 Prodi Elektro, Sekolah Vokasi

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HASIL PENILAIAN SEJAWAT SEBIDANG ATAU *PEER REVIEW*
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Status Pengusul : Arkhan Subari, Saiful Manan, **Eko Ariyanto**

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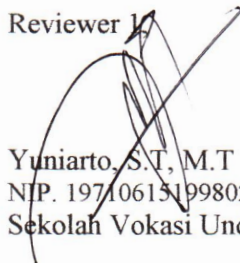
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f. Ruang lingkup dan kedalaman pembahasan (30%)	4	4,25	4,13
g. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	4,5	4,0	4,25
h. Kelengkapan unsur dan kualitas terbitan/prosiding (30%)	4	4,25	4,13
Total = (100%)	13,5	13,50	13,5

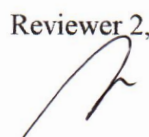
Reviewer 1



Yuniarto, S.T, M.T
 NIP. 197106151998021001
 Sekolah Vokasi Undip

Semarang,

Reviewer 2,



Priyo Sasmoko, S.T, M.Eng
 NIP. 197009161998021001
 Sekolah Vokasi Undip

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Implementation of Password Guessing Resistant Protocol (PGRP) in Improving User Login Security on Academic Information System

A Subari, S Manan, E Anyanto - *Advanced Science Letters*, 2018 - ingentaconnect.com

One of the most widely methods of authentication is use user-id and password that entered on the login form. Users only need to memorize user-id and password then can login anywhere. But usually, users choose short and weak user-id and password that are easily stolen by brute force techniques. Brute force attacks are one of the most common attacks. The method is entry user-id and password on the login form repeatedly until attacker got a valid password. One alternative to overcome a brute force attack is use Password Guessing ...

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Implementation of Password Guessing Resistant Protocol (PGRP) in Improving User Login Security on Academic Information System

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One of the most widely methods of authentication is use user-id and password that entered on the login form. Users only need to memorize user-id and password then can login anywhere. But usually, users choose short and weak user-id and password that are easily stolen by brute force techniques. Brute force attacks are one of the most common attacks. The method is entry user-id and password on the login form repeatedly until attacker got a valid password. One alternative to overcome a brute force attack is use Password Guessing Resistant Protocol (PGRP). PGRP limits the number of failed login on login form. If the number of failed login reaches the specified number, then to re-login, user should contact system administrator in order to access login page again. This research is done on academic information system of Diponegoro University that not yet used security system on login form. Login form security is done by logging mechanism of IP Address and 2 level of security. If IP address is not recorded, ATT Challenge will appear, and user must pass this challenge to continue. At the security level, each security level is only allowed for 3 logins. At level 1, if after 3 failed login, user will be suspended for 1 minute. At level 2, if the login still fails then the user will be disabled. To reactivate, the account owner must contact the system administrator.

Keywords: ATT Challenge; Brute Force; Information System; PGRP

Document Type: Research Article

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