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

Judul Makalah (Artikel)	:	Classification of Company Performance using Weighted Probabilistic Neural Network
Jumlah Penulis	:	3 Orang Penulis ke : 1
Nama Penulis	:	**Hasbi Yasin**, Adi Waridi Basyiruddin, Budi Warsito
Identitas Makalah		
a. Nama Prosiding	:	Journal of Physics: Conference Series
b. Nomor ISSN	:	1742-6596
c. Volume, No, Bulan, Tahun	:	Vol. 1025 Conference 1, May 2018
d. Penerbit	:	IOP Publishing
e. DOI artikel (jika ada)	:	http://dx.doi.org/10.1088/1742-6596/1025/1/012095
f. Alamat web	:	http://iopscience.iop.org/article/10.1088/1742-6596/1025/1/012095
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Komponen Yang Dinilai	Nilai Reviewer		Nilai Rata-rata
	Reviewer I	Reviewer II	
a. Kelengkapan unsur isi buku (10%)	3	2,7	2,85
b. Ruang lingkup dan kedalaman pembahasan (30%)	8	8,0	8
c. Kecukupan dan kemutahiran data/informasi dan metodologi (30%)	7	8,4	7,7
d. Kelengkapan unsur dan kualitas penerbit (30%)	9	7,5	8,25
Total = (100%)	27	26,6	26,8

Semarang, 19 April 2019

Reviewer 2

Drs. Sudarno, M.Si
NIP. 19640709 199201 1 001

Unit kerja :
Departemen Statistika Undip

Reviewer 1

Dr. Rukun Santoso, M.Si.
NIP. 19650225 199201 1 001

Unit kerja :
Departemen Statistika Undip

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Komponen Yang Dinilai	Nilai Maksimal Prosiding Internasional Terindeks Scopus [30]	Nilai Akhir Yang Diperoleh
a. Kelengkapan unsur isi buku (10%)	3	2,85
b. Ruang lingkup dan kedalaman pembahasan (30%)	9	8
c. Kecukupan dan kemutahiran data/informasi dan metodologi (30%)	9	7,7
d. Kelengkapan unsur dan kualitas penerbit (30%)	9	8,25
Total = (100%)	**30**	26,8

Semarang, 09 April 2019

Reviewer 1

Dr. Rukun Santoso, M.Si.
NIP. 19650225 199201 1 001

Unit kerja :
Departemen Statistika Undip

Reviewer 2

Drs. Sudarno, M.Si
NIP. 19640709 199201 1 001

Unit kerja :
Departemen Statistika Undip

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	Internasional Terindeks Scopus	Internasional	Nasional	
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b. Ruang lingkup dan kedalaman pembahasan (30%)	9			8
c. Kecukupan dan kemutahiran data/informasi dan metodologi (30%)	9			7
d. Kelengkapan unsur dan kualitas penerbit (30%)	9			9
Total = (100%)	**30**			27
Kontribusi Pengusul (Penulis Pertama)				**18 (60%)**

Komentar Peer Review:

a. Kelengkapan dan kesesuaian unsur: ……
lengkap
……
……

b. Ruang lingkup dan kedalaman pembahasan: ……..
kesimpulan belum sepenuhnya
mengakomodasi tujuan penelitian

c. Kecukupan dan kemutahiran data/informasi dan metodologi:
waktu penelitian / survey tidak
jelas

d. Kelengkapan unsur dan kualitas penerbit: ……..
lengkap
……..

e. Indikasi Plagiasi: ……
tidak ada

f. Kesesuaian bidang ilmu: ……
Sesuai

Semarang, 13 - 8 - 2019
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Dr. Rukun Santoso, M.Si.
NIP. 19650225 199201 1 001

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b. Ruang lingkup dan kedalaman pembahasan (30%)	9			8,0
c. Kecukupan dan kemutahiran data/informasi dan metodologi (30%)	9			8,4
d. Kelengkapan unsur dan kualitas penerbit (30%)	9			7,5
Total = (100%)	**30**			26,6
Kontribusi Pengusul (Penulis Pertama)				**18 (60%)**

Komentar Peer Review:

a. Kelengkapan dan kesesuaian unsur: .....
lengkap dan bagus
.....
.....

b. Ruang lingkup dan kedalaman pembahasan: .....
Hasil klasifikasi belum dituliskan, yang ada
ketepatan klasifikasi
.....

c. Kecukupan dan kemutahiran data/informasi dan metodologi:
kebaruan dan posisi penelitian belum terlihat
.....
.....

d. Kelengkapan unsur dan kualitas penerbit: .....
kurang lengkap
.....
.....

e. Indikasi Plagiasi: .....
tidak terlihat
.....

f. Kesesuaian bidang ilmu: .....
Sesuai
.....

Semarang, 19/9 - 2019
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7th International Seminar on New Paradigm and Innovation on Natural Sciences and Its Application, ISNPINSA 2017; Semarang; Indonesia; 17 October 2017 through 17 October 2017; Code 136783

Classification of Company Performance using Weighted Probabilistic Neural Network (Conference Paper) (Open Access)

Yasin, H., Basyiruddin Arifin, A.W., Warsito, B.

Department of Statistics, Faculty of Science and Mathematics, Diponegoro University, Jl. Prof. Soedharto, SH, Tembalang, Semarang, 50275, Indonesia

Abstract

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Classification of company performance can be judged by looking at its financial status, whether good or bad state. Classification of company performance can be achieved by some approach, either parametric or non-parametric. Neural Network is one of non-parametric methods. One of Artificial Neural Network (ANN) models is Probabilistic Neural Network (PNN). PNN consists of four layers, i.e. input layer, pattern layer, addition layer, and output layer. The distance function used is the euclidean distance and each class share the same values as their weights. In this study used PNN that has been modified on the weighting process between the pattern layer and the addition layer by involving the calculation of the mahalanobis distance. This model is called the Weighted Probabilistic Neural Network (WPNN). The results show that the company's performance modeling with the WPNN model has a very high accuracy that reaches 100%. © Published under licence by IOP Publishing Ltd.

SciVal Topic Prominence

Topic: Neural networks | Classification (of information) | Probabilistic neural

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Engineering controlled terms: Physics

Engineering uncontrolled terms: Artificial neural network models, Company performance, Distance functions, Euclidean distance, Mahalanobis distances, Nonparametric methods, Performance Model, Probabilistic neural networks

Engineering main heading: Neural networks

ISSN: 17426588
Source Type: Conference Proceeding
Original language: English

DOI: 10.1088/1742-6596/1025/1/012095
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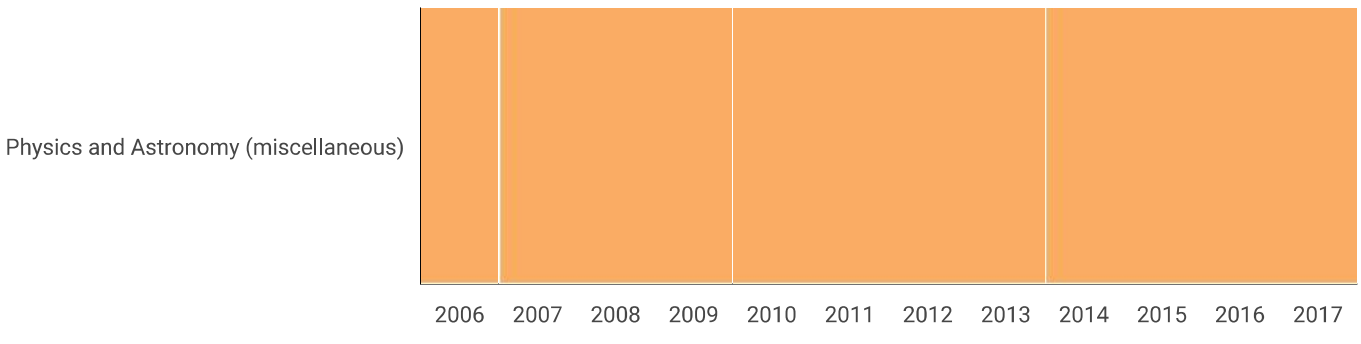

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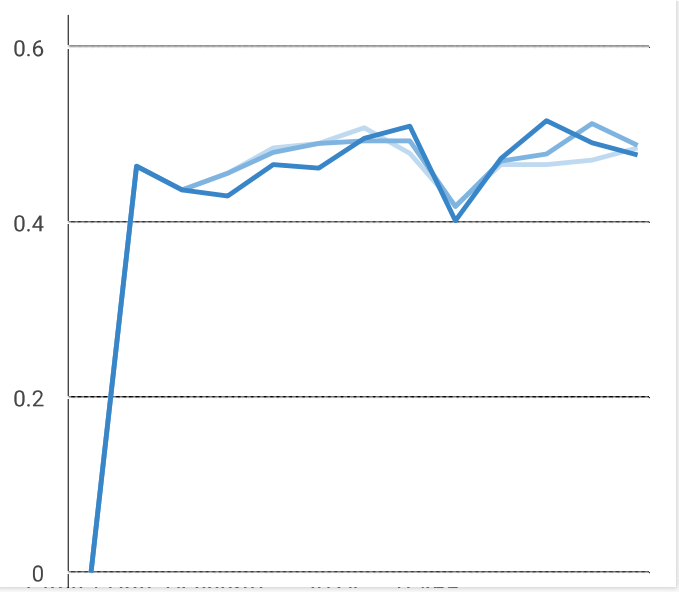

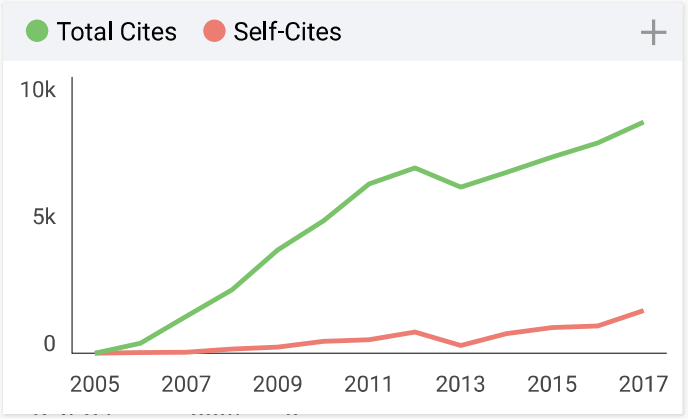

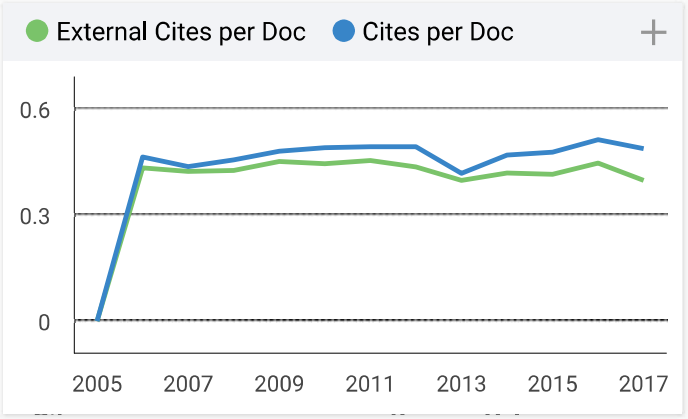

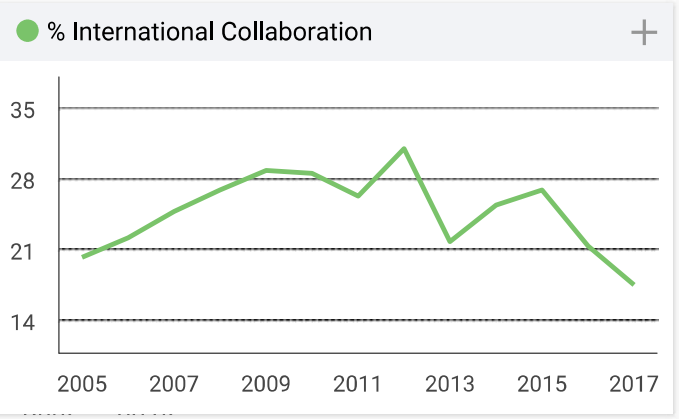

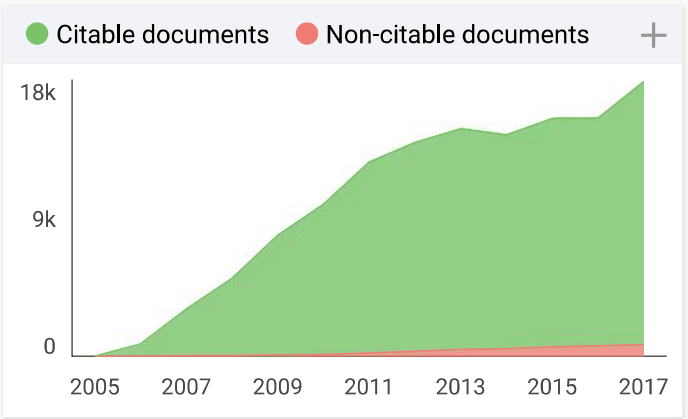

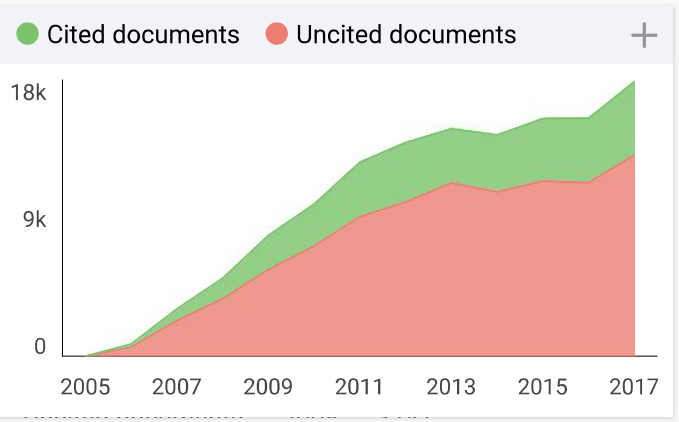

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PREFACE

The 7th International Seminar on New Paradigm and Innovation on Natural Sciences and Its Application (ISNPINSA-7) is annual conferences organized by Faculty of Sciences and Mathematics (FSM) Diponegoro University and has been successfully conducted since 2011. The aims of ISNPINSA are to facilitate brain storming and state of the art information in field of sciences and mathematics; to increase innovation of technology that can be applied in industries; to contribute in formulating strategy to increase the role of science for community; and to stimulate collaboration between industries, researchers and government to increase community welfare. The theme of 7th ISNPINSA in 2017 is "*Science and Data Science for Sustainable Development Goals*".

The scope of the field of participants comes from various fields including biology, physics, chemistry, statistics, mathematics, informatics, environment, public health, and relevant fields that contribute to sustainable development. The conference was held in Semarang, Indonesia on October, 17th, 2017. There were three keynote speakers and three invited speaker who came from Japan, Italy, Malaysia, Philipines and Indonesia. The number of participants of this seminar were more than 200 consist of researchers, lecturers, postgraduate and undergraduate students from various universities and after the selection process there are 132 articles selected to be published in the present conference proceeding.

The Editors

Dr. Budi Warsito
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20. Dr. Tarno, MSi
21. Adi Wibowo, PhD

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Keynote Speaker:

Prof. Dr. Masahiko Tani	University of Fukui, Japan
Prof. Dr. Norsarahaida Saidina Amin	Universiti Teknologi Malaysia
Mario Rosario Guarracino, PhD.	Instituto di Calcolo e Reti ad Alte Prestazioni-National Research Council (ICAR-CNR), Italy
Dr. dr. Budi Wiweko, Sp.OG-KFER.	University of Indonesia, Jakarta

Invited Speaker:

Prof. Elmer S. Estacio, PhD.	National Institute of Phyics, University of the Philippines, Manila,
Ismiyarto, S.Si., M.Si., PhD.	Diponegoro University, Semarang, Indonesia
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Accepted papers received: 4 May 2018
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