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

Judul Karya Ilmiah (Artikel) : Prediction of Weekly Rainfall in Semarang City Use Support Vector Regression (SVR) with Quadratic Loss Function
 Jumlah Penulis : 2 Orang Penulis ke : 2
 Nama Penulis : Alan Prahutama, **Hasbi Yasin**
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 a. Nama Jurnal : International Journal of Science and Engineering (IJSE)
 b. Nomor ISSN : 2086-5023
 c. Volume, No, Bulan, Tahun : Vol. 9 No. 1, Juli 2015
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d. Kelengkapan unsur dan kualitas penerbit (30%)	6	4,5	5,25
Total = (100%)	17	16,4	16,7

Reviewer 2



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

Unit kerja :
Departemen Statistika Undip

Semarang, April 2019
Reviewer 1



Dr. Rukun Santoso, M.Si.
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b. Ruang lingkup dan kedalaman pembahasan (30%)	6	4,95
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	6	4,75
d. Kelengkapan unsur dan kualitas penerbit (30%)	6	5,25
Total = (100%)	20	16,7

Reviewer 2



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Semarang, 19 April 2019
Reviewer 1



Dr. Rukun Santoso, M.Si
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b. Ruang lingkup dan kedalaman pembahasan (30%)		6				4,5
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)		6				4,5
d. Kelengkapan unsur dan kualitas penerbit (30%)		6				6
Total = (100%)		20				17
Kontribusi Pengusul (Penulis Anggota)						8 (40%)

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- b. Ruang lingkup dan kedalaman pembahasan:
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- c. Kecukupan dan kemutakhiran data/informasi dan metodologi:
Kurang jelas untuk penggunaan metode kasus non-stasioner atau non-linear
- d. Kelengkapan unsur dan kualitas penerbit:
lengkap
- e. Indikasi Plagiasi:
tidak ada
- f. Kesesuaian bidang ilmu:
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Semarang, 13-8-2014
Reviewer 1



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b. Ruang lingkup dan kedalaman pembahasan (30%)		6				5,4
c. Kecukupan dan kemutahiran data/informasi dan metodologi (30%)		6				5
d. Kelengkapan unsur dan kualitas penerbit (30%)		6				4,5
Total = (100%)		20				16,4
Kontribusi Pengusul (Penulis Anggota)						8 (40%)

Komentar Peer Review:

- a. Kelengkapan dan kesesuaian unsur:
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- e. Indikasi Plagiasi:
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Semarang, 19/9 - 2019
 Reviewer 2

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AUTHORS

Alan Prahutama (Statistics Department, Diponegoro University)
Hasbi Yasin (Statistics Department, Diponegoro University)

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Time From Submission to Publication: 8 weeks

Abstract | Full Text (<http://ejournal.undip.ac.id/index.php/ijse/article/view/7941>)

Semarang city is one of the busiest city in Indonesia. Due to its role as the capital city of Central Java, Semarang is known as having a relatively high rate economic activities. The geographic of Semarang city bordered by the Java sea, thus whenever the rainfall is high, there could be flood at certain area. Therefore, prediction of rainfall is very important. Support vector machine (SVM) is one of the most popular methods in nonlinear approach. One of the branches of this method for prediction is support vector regression (SVR). SVR can be approached by quadratic loss function. The study is focus on Semarang rainfall prediction during 2009 to 2013 using several kernel function. Kernel Function can provide optimal weight Some of kernel functions are linear, polynomial, and Radial Basis Function (RBF). Using this method, the study provide 71.61% R-square in the training data, for C parameter 2 with polynomial (p=2), and 71.46% R-square for the testing data

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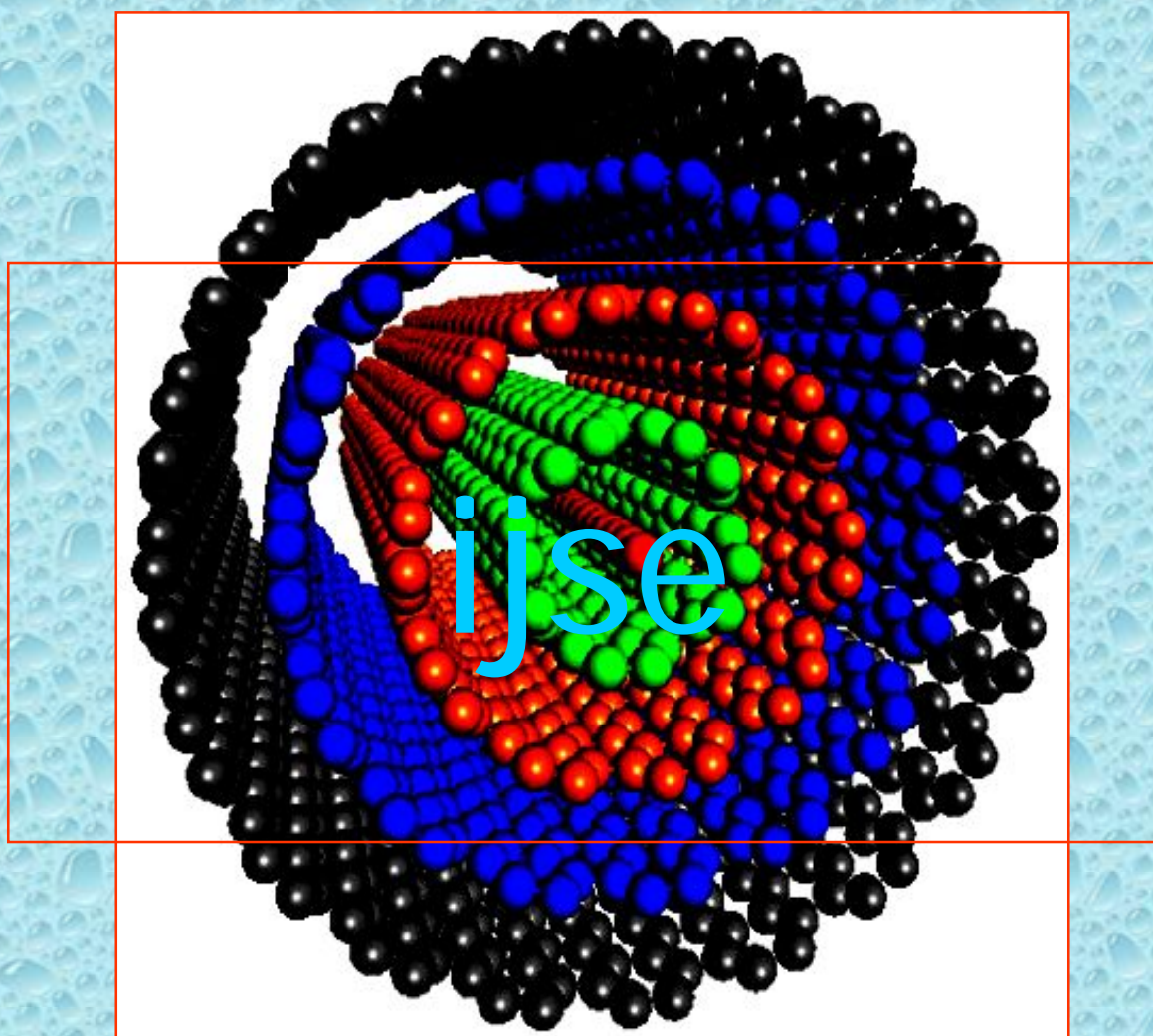
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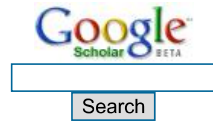
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