

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

Judul Jurnal Ilmiah (Artikel) : Volume Target Delineation for Brain Tumor in MRI Images Using Active Contour Segmentation Method

Nama/ Jumlah Penulis : Catur Edi Widodo, **Kusworo Adi**, Aris Sugiharto, Qidir Maulana B. S. dan Adi Pamungkas/ 5 orang

Status Pengusul : Penulis ke- 2

Identitas Jurnal Ilmiah :

- a. Nama Jurnal : International Journal of Applied Engineering Research
- b. Nomor ISSN : 0973-4562
- c. Vol, No., Bln Thn : 11, 16, 2016
- d. Penerbit : Research India Publications
- e. DOI artikel (jika ada) : -
- f. Alamat web jurnal : <https://www.ripublication.com/Volume/ijaerv11n16.htm>
- Alamat Artikel : <https://eprints2.undip.ac.id/390/1/2016-Volume%20Target%20Delineation%20for%20Brain%20Tumor%20in%20Mri%20Images%20Using%20Active%20Contour%20Segmentation%20Method.pdf>
- g. Terindex : EBSCOhost, GOOGLE Scholar, JournalSeek, J-Gate, ICI, Index Copernicus IC Value 82.67

Kategori Publikasi Jurnal Ilmiah (beri ✓ pada kategori yang tepat) :

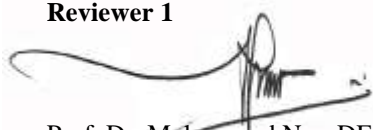
✓	Jurnal Ilmiah Internasional
	Jurnal Ilmiah Nasional Terakreditasi
	Jurnal Ilmiah Nasional Tidak Terakreditasi

Hasil Penilaian Peer Review :

Komponen Yang Dinilai	Nilai Reviewer		Nilai Rata-rata
	Reviewer 1	Reviewer 2	
a. Kelengkapan unsur isi jurnal (10%)	2,00	2,00	2,00
b. Ruang lingkup dan kedalaman pembahasan (30%)	5,90	5,70	5,80
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	5,80	5,80	5,80
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	5,20	5,50	5,35
Total = (100%)	18,90	19,00	18,95

Semarang, 6 Mei 2020

Reviewer 1



Prof. Dr. Muhammad Nur, DEA
NIP. 195711261990011001
Unit Kerja : Departemen Fisika - FSM UNDIP

Reviewer 2



Prof. Dr. Heri Sutanto, SSi, MSi
NIP. 197502151998021001
Unit Kerja : Departemen Fisika - FSM UNDIP

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

Judul Jurnal Ilmiah (Artikel) : Volume Target Delineation for Brain Tumor in MRI Images Using Active Contour Segmentation Method
 Nama/ Jumlah Penulis : Catur Edi Widodo, **Kusworo Adi**, Aris Sugiharto, Qidir Maulana B. S. dan Adi Pamungkas/ 5 orang
 Status Pengusul : Penulis ke- 2
 Identitas Jurnal Ilmiah : a. Nama Jurnal : International Journal of Applied Engineering Research
 b. Nomor ISSN : 0973-4562
 c. Vol, No., Bln Thn : 11, 16, 2016
 d. Penerbit : Research India Publications
 e. DOI artikel (jika ada) : -
 f. Alamat web jurnal : <https://www.ripublication.com/Volume/ijaerv11n16.htm>
 Alamat Artikel : <https://eprints2.undip.ac.id/390/1/2016-Volume%20Target%20Delineation%20for%20Brain%20Tumor%20in%20Mri%20Images%20Using%20Active%20Contour%20Segmentation%20Method.pdf>
 g. Terindex : EBSCOhost, GOOGLE Scholar, JournalSeek, J-Gate, ICI, Index Copernicus IC Value 82.67

Kategori Publikasi Jurnal Ilmiah : Jurnal Ilmiah Internasional
 (beri \checkmark pada kategori yang tepat) Jurnal Ilmiah Nasional Terakreditasi
 Jurnal Ilmiah Nasional Tidak Terakreditasi

Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah			Nilai Akhir Yang Diperoleh
	Internasional <input checked="" type="checkbox"/>	Nasional Terakreditasi <input type="checkbox"/>	Nasional Tidak Terakreditasi <input type="checkbox"/>	
a. Kelengkapan unsur isi jurnal (10%)	2,00			2,00
b. Ruang lingkup dan kedalaman pembahasan (30%)	6,00			5,90
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	6,00			5,80
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	6,00			5,20
Total = (100%)	20,00			18,90
Nilai Pengusul =				

Catatan Penilaian artikel oleh Reviewer :

1. Kelengkapan unsur isi jurnal:

Penulisan Artikel ini telah sesuai dengan format International Journal of Applied Engineering Research. Format sedikit berbeda dari dari artikel lain di journal yang sama. Kebaruan dari artikel ini juga sudah diutarakan dengan ekspilisit.

2. Ruang lingkup dan kedalaman pembahasan:

Arikel dengan ruang lingkup yang tidak begitu luas. Pembahasan pada metode yang dikembangkan. . Belum ada diskusi yang membandingkan dengan hasil peneliti lain.

3. Kecukupan dan kemutakhiran data/informasi dan metodologi:

Referensi mutakhir. Metoda standard dan bisa direflikasi oleh ahli sebidang. Data telah cukup mutakhir dan pembahasan masih sangat kurang.

4. Kelengkapan unsur dan kualitas terbitan:

International Journal of Applied Engineering Research yang diterbitkan oleh Research India Publications telah tdk terindek scopus 2011-2017 (cancelled). Penerbitan tidak baik. Tata letak kurang tertata. Masih terdapat skema penelitian yang seharusnya merupakan naratif Jadi tergolong pada journal yang tidak terindeks scopus jadi nilai maksimumnya 20.

Semarang, 6 Mei 2020

Reviewer 1



Prof. Dr. Muhammad Nur, DEA

NIP. 195711261990011001

Unit Kerja : Departemen Fisika - FSM UNDIP

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

Judul Jurnal Ilmiah (Artikel) : Volume Target Delineation for Brain Tumor in MRI Images Using Active Contour Segmentation Method
 Nama/ Jumlah Penulis : Catur Edi Widodo, **Kusworo Adi**, Aris Sugiharto, Qidir Maulana B. S. dan Adi Pamungkas/ 5 orang
 Status Pengusul : Penulis ke- 2
 Identitas Jurnal Ilmiah : a. Nama Jurnal : International Journal of Applied Engineering Research
 b. Nomor ISSN : 0973-4562
 c. Vol, No., Bln Thn : 11, 16, 2016
 d. Penerbit : Research India Publications
 e. DOI artikel (jika ada) : -
 f. Alamat web jurnal : <https://www.ripublication.com/Volume/ijaerv11n16.htm>
 Alamat Artikel : <https://eprints2.undip.ac.id/390/1/2016-Volume%20Target%20Delineation%20for%20Brain%20Tumor%20in%20Mri%20Images%20Using%20Active%20Contour%20Segmentation%20Method.pdf>
 g. Terindex : EBSCOhost, GOOGLE Scholar, JournalSeek, J-Gate, ICI, Index Copernicus IC Value 82.67

Kategori Publikasi Jurnal Ilmiah : Jurnal Ilmiah Internasional
 (beri \checkmark pada kategori yang tepat) Jurnal Ilmiah Nasional Terakreditasi
 Jurnal Ilmiah Nasional Tidak Terakreditasi

Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah			Nilai Akhir Yang Diperoleh
	Internasional <input checked="" type="checkbox"/>	Nasional Terakreditasi <input type="checkbox"/>	Nasional Tidak Terakreditasi <input type="checkbox"/>	
a. Kelengkapan unsur isi jurnal (10%)	2,00			2,00
b. Ruang lingkup dan kedalaman pembahasan (30%)	6,00			5,70
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	6,00			5,80
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	6,00			5,50
Total = (100%)	20,00			19,00
Nilai Pengusul =				

Catatan Penilaian artikel oleh Reviewer :

1. Kelengkapan unsur isi jurnal:

Artikel telah ditulis secara lengkap sesuai template International Journal of Applied Engineering Research.

2. Ruang lingkup dan kedalaman pembahasan:

Ruang lingkup kedalaman pembahasan sudah diungkapkan dengan baik sesuai hasil penelitian. Abstrak dan kesimpulan sudah sinkron.

3. Kecukupan dan kemutakhiran data/informasi dan metodologi:

Data penelitian yang diinformasikan pada artikel sangat memadai dan relevan sesuai metodologi yang dilakukan. Artikel didukung dengan 15 referensi, 4 referensi kategori tidak mutakhir. Hasil uji similaritas artikel baik yaitu 11%.

4. Kelengkapan unsur dan kualitas terbitan:

Secara umum kelengkapan unsur artikel lengkap, namun kualitas penerbit kurang baik, contoh dalam penulisan ket gambar 2.1, lalu 3.1 serta penulisan persamaan. Jurnal IJAER ini pernah terindeks Scopus Q4 SJR 0.14 (tahun 2016) namun status cancelled (2011-2017).

Semarang, 6 Mei 2020

Reviewer 2



Prof. Dr. Heri Sutanto, SSi, MSi

NIP. 197502151998021001

Unit Kerja : Departemen Fisika - FSM UNDIP

International Journal of Applied Engineering Research (IJAER)

Print ISSN 0973-4562

Online ISSN 0973-9769

Editor-in-Chief:

Prof. Dr. Eng. Ali MERDJI,

Faculty of Science and Technology,
Route de Mamounia,
University of Mascara,
B.P 305, Mascara (29000),
Algeria.



Aims and Scope: The *International Journal of Applied Engineering Research (IJAER)* is an international research journal, which publishes top-level work from all areas of Engineering Research and their application including Mechanical, Civil, Electrical, Computer Science and IT, Chemical, Electronics, Mathematics, Environmental, Education Geological etc. Researchers in all technology and engineering fields are encouraged to contribute articles based on recent research. Journal publishes research articles and reviews within the whole field of Engineering Research, and it will continue to provide information on the latest trends and developments in this ever-expanding subject.

Audience: Mechanical, computer, aeronautical, chemical, civil, electronics, mathematic, geology, electrical.

Submission: Authors are requested to submit their papers electronically to IJAERditor@gmail.com

INDEXING: SCOPUS(2010-2017), EBSCOhost, GOOGLE Scholar, JournalSeek, J-Gate, ICI, Index Copernicus IC Value 82.67 and UGC Approved Journal - 2017 (Journal No. - 64529)

Publication Date and Frequency: Twenty four issues per year.

- ✦ [Publication Ethics and Publication Malpractice Statement](#)
- ✦ [Editorial Board Members](#)
- ✦ [Vol. 1 No.1 No.2 No.3 \(2006\)](#)
- ✦ [Vol. 2 No.1 No.2 No.3 No.4 \(2007\)](#)
- ✦ [Vol. 3 No.1 No.2 No.3 No.4 No.5 No.6 No.7 No.8 No.9 No.10 No.11 No.12 \(2008\)](#)
- ✦ [Vol. 4 No.1 No.2 No.3 No.4 No.5 No.6 No.7 No.8 No.9 No.10 No.11 No.12 \(2009\)](#)
- ✦ [Vol. 5 No.1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21-22 23-24 \(2010\)](#)
- ✦

[Vol. 6 No.1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#) [21](#) [22](#) [23-24](#) (2011)

✚ [Vol. 7 No.1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) (2012)

✚ [Vol. 8 No.1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#) (2013)

✚ [Vol. 9 No.1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#) [21](#) [22](#) [23](#) [24](#) (2014)

✚ [Vol.10 No.1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#) [21](#) [22](#) [23](#) [24](#) (2015)

✚ [Vol.11 No.1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#) [21](#) [22](#) [23](#) [24](#) (2016)

✚ [Vol.12 No.1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#) [21](#) [22](#) [23](#) [24](#) (2017)

✚ [Vol.13 No.1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#) [21](#) [22](#) [23](#) [24](#) (2018)

✚ [Vol.14 No.1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [10](#) [11](#) [12](#) [13](#) [14](#) [15](#) [16](#) [17](#) [18](#) [19](#) [20](#) [21](#) [22](#) [23](#) [24](#) (2019)

✚ [Vol.15 No.1](#) (2020)

✚ [Special Issues](#)

✚ [Authors Information](#)

✚ [Subscription](#)

✚ [Call for Papers](#)

✚ [Other Journals](#)

✚ [Library Recommendation Form](#)

© All rights are reserved with **Research India Publications**

[Home](#) [Journals](#)
[Contact](#)

Research India Publications

International Journal of Applied Engineering Research (IJAER)

Editorial Board Members

Vincenzo Niola, Professor, Department Of Industrial Engineering,, University Of Naples Federico Ii – Engineering Faculty, Naples, Italy

Area of Interest : Mechanics, Robotics, Diagnostics Of Mechanical Systems, Non-Linear Analysis Of Mechanical Systems, Vibrations, Tribology

Rose Farahiyan Munawar, Senior Lecturer, Department Of Engineering Materials, Faculty Of Manufacturing Engineering, Universiti Teknikal Malaysia Melaka

Area of Interest : Nanotechnology, Environmental And Green Materials, Cellulose Derivatives, Materials Characterization And Materials Science & Engineering

Ruaa Alsabah, Lecturer, Department Of Computer Science, Freha Campus, Kerbala University, Kerbala, Iraq

Area of Interest : Internet Of Things & Big Data Analysis, Wireless Communication 4G, 5G And Beyond, Microwave Remote Sensing, Space-Borne – Airborne Platforms And Calibration And Validation Measurements.

Dr. Asim Datta, Associate Professor & Head, Dept. Of Electrical Engineering, Mizoram University (A Central University), Tanhril, Aizawl-796004, Mizoram

Area of Interest : Electical Power Systems, Renewable Energy Sources, Embedded Systems

Pranav Mahamuni, Research Assistant, Department Of Mechanical Engineering, Stony Brook University, Stony Brook, New York, United States Of America

Area of Interest : Mechanical Engineering - Cad/Cam, Product Design, Rapid Prototyping, Finite Element Analysis

Dr. Diego Bellan, Professor, Department Of Electronics, Information And Bioengineering, Politecnico Di Milano, Piazza Leonardo Da Vinci 32, 20133, Milan, Italy

Area of Interest : Power Quality, Electromagnetic Compatibility

Dr. Claudia Espro, Assistant Professor, Department Of Engineering, Contrada Di Dio, 4° Piano, Blocco C, 98166 Messina, Italy

Area of Interest : Heterogeneous Catalysis And Development Of Novel Catalytic Green Processes. Catalytic Conversion Of Natural Gas And Light Alkanes Into Intermediates, Fuels And Chemicals Of Higher Added Value. Conversion Of Renewable Biomass For The Production Of Bulk Chemicals, Electrochemical Sensors

Dr. Massila Kamalrudin, Deputy Dean, Associate Professor, Faculty of Information Technology and Communication , Institute of Technology Management and Entrepreneurship, Universiti Teknikal Malaysia Melaka Malaysia

Area of Interest : ICT, software engineering

Dr. Nilamadhab Mishra, Assistant Professor, School Of Computing, Debre Berhan University, Ministry of Education, Government of Ethiopia.

Area of Interest : Encompass Network Centric Data Management, Data

Science: - Analytics and Applications, CIoT Big-Data System, and Cognitive Apps Design & Explorations.

Dr. Liew Pay Jun, Senior Lecturer, Department Of Manufacturing Process, Faculty Of Manufacturing Engineering, Universiti Teknikal Malaysia Melaka, Durian Tunggal, Melaka, Malaysia.

Area of Interest : Electrical discharge machining, machining, micro/nano machining, nanofluid

Dr. G.PARAMASIVAM , Associate Professor, Department Of Computer Science, KG COLLEGE OF ARTS AND SCIENCE, Tamil nadu, India.

Area of Interest : Image processing, Computer Network

Dr. Ch. Swapna Priya, Assistant Professor, Department Computer Science And Engineering, Vignans institute of Information Technology, Visakhapatnam, Andhra Pradesh, India.

Area of Interest : Image processing, Pattern recognition deep learning, machine learning

Dr. K. Sangeetha, Assistant Professor, Department Of Computer Science & Engineering, SNS College of Technology, Coimbatore, Tamilnadu, India.

Area of Interest : Theory of computation, Computer Networks, Advanced Computer Architecture, Operating Systems, Computer Programming, Network Security, Object Oriented Analysis and Design and Data Base Management System

Dr. Deepali Gupta, Professor And Head, Department Of Computer Science & Engineering, Maharishi Markandeshwar University, Sadopur, Sadopur, Ambala, India.

Area of Interest : Computer Engineering & Information Technology, Software Engineering, Genetic Algorithms and Cloud Computing

Dr. Ghassan Fadhil Smaisim, Associate Professor, Department of Mechanical Engineering, University of Kufa, Faculty of Engineering, Kufa, P.O. Box: 21, Najaf Government.

Area of Interest : Enhancement Heat Transfer, Renewable Energy, Fluid Mechanics, Thermal Nanofluid Flow, Power Generation, Solar Energy, CFD.

Dr. Darshankumar Chandrakant Dalwadi, Associate Professor, Department of Electronics and Communication Department, Birla Vishvakarma Mahavidyalaya Engineering College, Post Box No. 20

Area of Interest : Digital Communication, Wireless Communication and M Tech Information Theory and Coding

—

Jong-Wook Lee, Electrical & Computer Engineering, Ajou University, Worldcupro 206, Yeongtong-gu. 16499, Geonggi-do, **South Korea**

Area of Interest: I Device structure and materials for sub-0.5V voltage operation, I Scaling-down enabling technology, I Low-power, high-speed devices and circuits.

Mohd Hafiz bin Jali, Faculty of Electrical Engineering, Universiti Teknikal Malaysia Melaka, Hang Tuah Jaya, 76100, Melaka, **Malaysia**

Area of Interest: Control system, Signal Processing, Rehabilitation, Human assist technology. Pattern Recognition, Robotic.

Timon Rabczuk, Chair of Computational Mechanics, Bauhaus University Weimar, Marienstrasse 15, 99423 Weimar, **Germany**

Hacene Mahmoudi, Vice Rector for Animation, promotion of scientific research, Hassiba Benbouali University, B.P. 151, Chlef, **Algeria**

Mircea Cristian DUDESCU, Technical University of Cluj-Napoca, Faculty of Mechanical Engineering, Department of Mechanical Engineering, B-dul Muncii 103-105, 400641 Cluj-Napoca, **Romania**

Area of interest: mechanics of materials, experimental mechanics, mechanical testing, structural analysis of MEMS.

Rajeev Ahuja, Physics Department, Uppsala University, Box 530, 751 21 Uppsala, **Sweden**

Area of interest: Computational Materials Science, Electronic Materials, Spintronics, High pressure, Dynamics.

Shigeru Aoki, Department of Mechanical Engineering, Tokyo Metropolitan College of Technology, Shinagawa-ku, Tokyo 140-0011, **Japan**

Area of Interest: Random vibration, Seismic response of mechanical system, Approximate analysis of nonlinear vibration.

G.Q. Chen, Department of Mechanics and Engineering science, Peking University, Beijing 100871, **China**

Area of Interest: CFD (Computational fluid dynamics), energy and resources engineering, and systems ecology.

Anna Laura Pisello, Department of Engineering, CIRIAF – Interuniversity Research Center, University of Perugia, **Italy**

Dr. Jahar Sarkar, Department of Mechanical Engineering, IIT (BHU) Varanasi, UP-221005, **India**
Area of Interest: Energy, Thermal & Fluid Engineering.

Verena Kantere, Centre Universitaire d'Informatique, University of Geneva, Bâtiment A, Route de Drize 7, 1227 Carouge, **Switzerland**

Kong Fah TEE, Department of Engineering Science, University of Greenwich, Central Avenue, Chatham Maritime, Kent ME4 4TB **United Kingdom**
Area of Interest: Structural Health Monitoring and Management, Structural System Identification and Life Prediction, Forensic Engineering.

B.T.F. Chung, Department of Mechanical Engineering, University of Akron, Akron, Ohio 44325, **USA**
Area of interest: Heat Transfer with Phase Changes, Optimum Design of Extended Surfaces, Radiative Heat Transfer System.

Marcelo J.S. De Lemos, Departamento de Energia - IEME, Instituto Tecnológico de Aeronáutica - ITA, 12228-900 Sao Jose dos Campos S.P. - **Brazil**
Area of interest: Turbulence Modeling, Porous Media, Combustion in Porous Media, Numerical Methods, Finite Volume.

Dimitris Drikakis, Head of Aerospace Sciences Department, Cranfield University, School of Engineering, Cranfield, MK43 0AL, **United Kingdom**
Area of Interest: Computational Fluid Dynamics, Aerodynamics, Turbulence Gas dynamics, Computational Nanotechnology.

A.S. Al-Harthy, Department of Civil, Surveying and Environmental Engineering, University of Newcastle, Callaghan, NSW 2308 **Australia**
Area of interest: Concrete material and durability, Recycling construction materials, reliability assessment of structures.

S.Z. Kassab, Mechanical Engineering Department, Faculty of Engineering, Alexandria University, Alexandria, 21544 **Egypt**
Area of Interest : Experimental Fluid Mechanics, Lubrication, Energy, Environment and Pollution.

Bashar El-Khasawneh, Chairman, Industrial Engineering Department, JUST, P.O. Box 3030, Irbid 22110 **Jordan**
Area of Interest: Design process and manufacturing-related sciences and processes, advanced and parallel kinematics machine tools.

Kazuhiko Kudo, Laboratory of Micro-Energy Systems, Division of Human Mechanical Systems and Design, Graduate School of Engineering, Hokkaido University, **Japan**
Area of interest: Radiative heat transfer analysis, transient analysis on surface tension.

Carlos Mario Morales Bautista, Calzada Olmeca 105. Cerrada Chiltepec No. 1. Fraccionamiento la Venta. Villa Parrilla II. C.P. 86280. Villahermosa, Centro, Tabasco, **Mexico**

Ihab Obaidat, Department Of Physics, College of Science, United Arab Emirates University, P.O. Box 15551, Al Ain, **UAE**

Area of Interest: Nanomagnetism, Superconductivity.

Huihe QIU, Department of Mechanical Engineering, The Hong Kong University of Science and Technology, Clear Water Bay, Kowloon **Hong Kong**

Area of Interest: Transport phenomena in microscale multiphase flows, micro sensors and actuators, optical diagnostics and instrumentation.

S.A. Soliman, Electrical Engineering Department, University of Qatar, P. O. Box 2713 Doha **Qatar**

Area of Interest: Applications of State Estimation to Electric Power Systems, Fuzzy and Neural System Applications to Electric Power Systems.

Dimitri V. Val, Dept. of Structural Engineering, Faculty of Civil and Environmental Engineering, Technion - Israel Institute of Technology, Haifa 32000, **Israel**

Area of Interest: structural safety and reliability; analysis, design, and assessment of reinforced concrete and steel structures.

Guo-Xiang Wang, Department of Mechanical Engineering, The University of Akron, Akron OH 44325-3903 **USA**

Area of Interest: Heat and Mass Transfer, Materials Processing, Solidification Theory and Application.

Samir Mekid, Mechanical Engineering Department, King Fahd University of Petroleum and Minerals PO Box 155, Dhahran, 31261, **Saudi Arabia**

Abdul Razak Rehmat, Department of Bioprocess & Polymer Engineering, Faculty of Chemical & Energy Engineering, Universiti Teknologi Malaysia, 81310 Johor Bahru, **Malaysia**

Area of Interest: Polymer Processing and Rheology, Biobased Polymer Composite, Microwave Processing of Polymer.

V.R. Mudinepalli, Department of Physics, National Taiwan Normal University, Taipei, 11677, **Taiwan.**

Damodar Maity, Civil Engineering Department Indian Institute of Technology, Kharagpur, West Bengal, **India**

Area of Interest: Damage Assessment of Structures; Seismic Resistant of Structures; Fluid-Structure Interaction; Sloshing; Concrete Gravity Dam.

NG EYK, School of Mechanical & Aerospace Engineering, Nanyang Technological University, 50 Nanyang Avenue, 639798 **Singapore**

Area of Interest: biomedical engg; computational fluid dynamics and numerical heat transfer.

Mohammad Luqman, Chemical Engineering Department King Saud University Chemical Engineering Department, Riyadh, **Saudi Arabia**

Area of Interest: Polymer Nanocomposites, Polymer/Plastic, Ionomers, Nanocomposites.

Mohammad Valipour, Department of Irrigation and Drainage Engineering, College of Abureyhan, University of Tehran, Pakdasht, Tehran, **Iran**

Area of Interest: Surface and pressurized irrigation, Drainage engineering, Fluid mechanics, Heat transfer in soil media.

Najm Obaid Salim Alghazali, Department of Civil Engineering, Babylon University, Hilla, Babylon, **Iraq**

Area of Interest: Hydraulic Structures, Hydraulics, Engineering Hydrology, Groundwater Hydrology, Dams Engineering.

Sushant K. Singh, Earth and Environmental Studies Department, Montclair State University, Montclair, 07043, New Jersey, **USA**

Area of Interest: Environmental pollution, Environmental management, Environmental toxicology, Environmental policy.

Hongseok Choi, Department of Mechanical Engineering, Clemson University, 205 Fluor Daniel Bldg. Clemson, SC 29634 **USA**

Ling Zhou, National Research Center of Pumps, Jiangsu University, No.301 Xuefu Road, Zhenjiang, Jiangsu 212013, **China**

Area of Interest : Fluids Engineering, Multiphase flow, CFD (Computational Fluid Dynamics).

Dr. Jongwan Kim, Al-Farabi Kazakh National University, Almaty, Kazakhstan, Senior Lecturer

Area of Interest : Computer and network security, it management, digital forensics, cryptocurrency, blockchain

Marlen Bissaliye, Al-Farabi Kazakh National University, Almaty, Kazakhstan, Senior Lecturer

Area of Interest : Computer and network security, it management, digital forensics, cryptocurrency, blockchain

[\[UP\]](#)

© All rights are reserved with [Research India Publications](#)
[Contact](#)

[Home Journals](#)



International Journal of Applied Engineering Research

Country
Subject Area and Category

India - SIR Ranking of India

Engineering
Engineering (miscellaneous)

Publisher

Research India Publications

Publication type

Journals

ISSN

09734562

Coverage

2011-2017 (cancelled)

Scope

The International Journal of Applied Engineering Research (IJAER) is an international research journal, which publishes top-level work from all areas of Engineering Research and their application including Mechanical, Civil, Electrical, Computer Science and IT, Chemical, Electronics, Mathematics, Environmental, Education Geological etc. Researchers in all technology and engineering fields are encouraged to contribute articles based on recent research. Journal publishes research articles and reviews within the whole field of Engineering Research, and it will continue to provide information on the latest trends and developments in this ever-expanding subject.



[Homepage](#)

[How to publish in this journal](#)

[Contact](#)



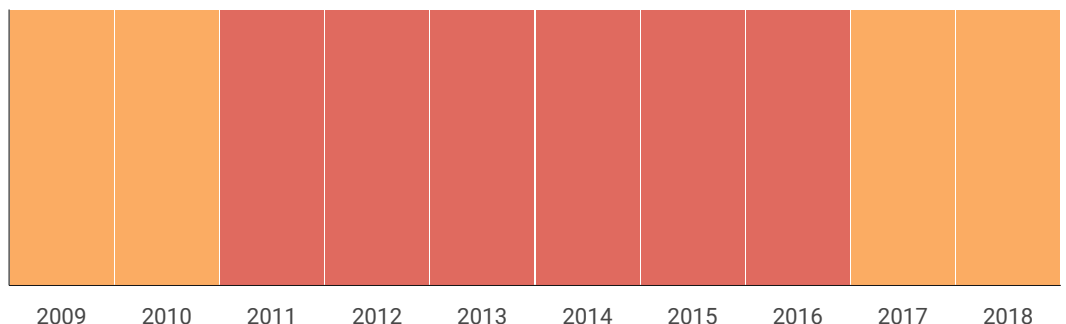
[Join the conversation about this journal](#)

25

H Index

Quartiles

Engineering (miscellaneous)



SJR



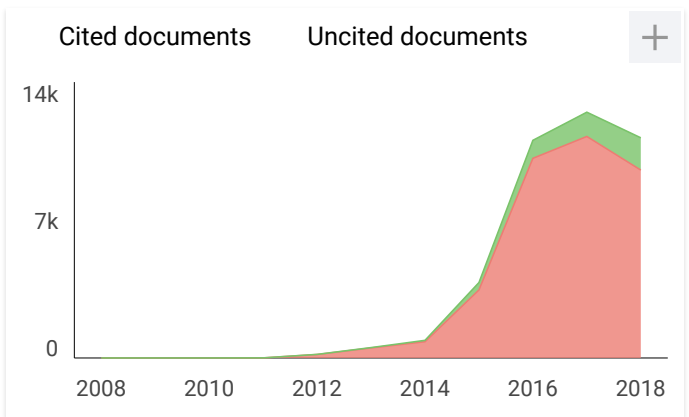
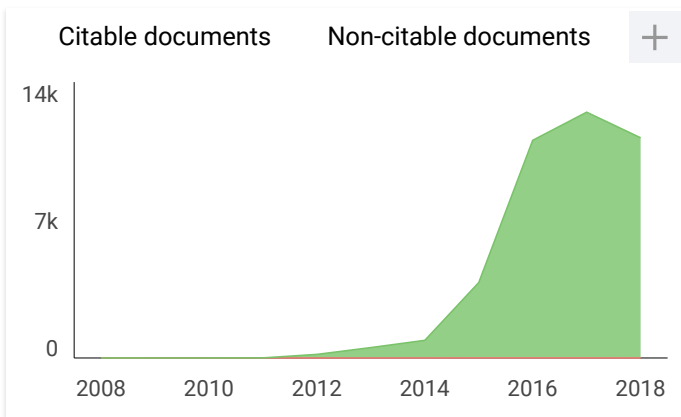
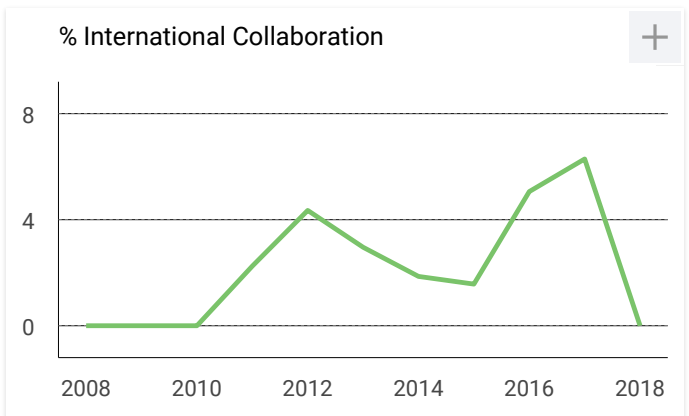
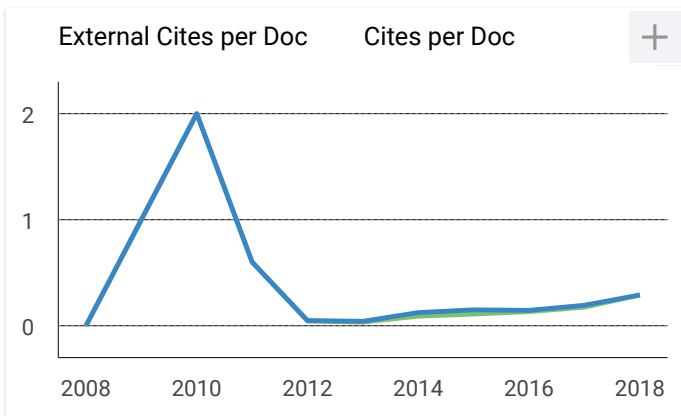
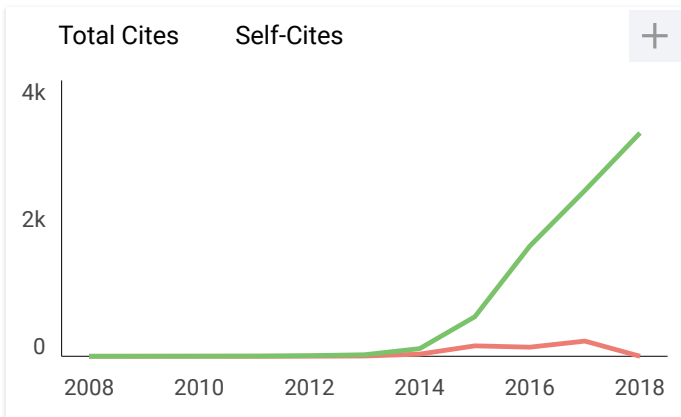
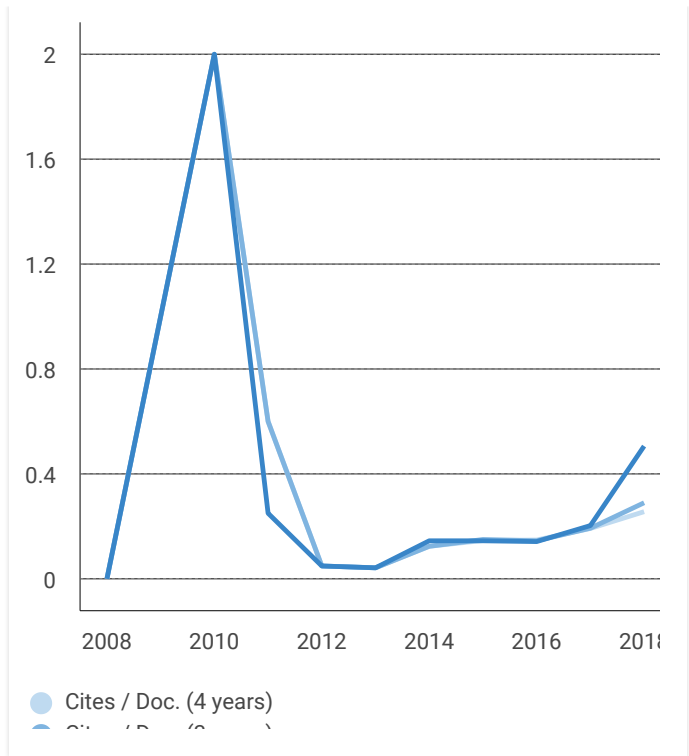
Citations per document



Year SJR



Year	SJR
2009	0.125
2010	0.134
2011	0.106
2012	0.111
2013	0.115
2014	0.116
2015	0.125
2016	0.143



International Journal of Applied Engineering...

Q3 Engineering (miscellaneous) best quartile

SJR 2018 0.12

powered by scimagojr.com

← Show this widget in your own website

Just copy the code below and paste within your html code:

```
<a href="https://www.scimagojr.com/journalsearch.php?q=21100217234&tip=sid&clean=0"
```



Author details

< Return to search results 1 of 1

Adi, K.

[View potential author matches](#)

Author ID: 57200265615 ⓘ

<http://orcid.org/0000-0002-7702-6554>

Affiliation(s): ⓘ

Universitas Diponegoro, Semarang, Indonesia [View more](#) ▾

Other name formats:

- Adi, K.
- Adi, Kusworo

Subject area:

- Computer Science
- Engineering
- Physics and Astronomy
- Environmental Science
- Social Sciences
- Energy
- Mathematics
- Medicine
- Earth and Planetary Sciences
- Decision Sciences
- Health Professions
- [View all](#) ▾

Documents by author

35

[Analyze author output](#)

Total citations

66 by 51 documents

[View citation overview](#)

h-index: ⓘ

4

[View *h*-graph](#)

Profile actions

[Edit author profile](#)

[Connect to ORCID](#) ⓘ

Alerts

[Set citation alert](#)

[Set document alert](#)

[Learn more about Scopus Profiles](#) ↗

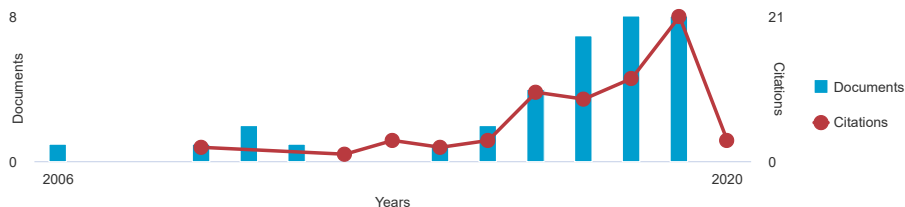
KA

[K. Adi](#) ↗

Universitas Diponegoro
35 Documents

[Is this you?](#)

Document and citation trends:



[35 Documents](#)

[Cited by 51 documents](#)

[48 co-authors](#)

[Topics](#)

[View in search results format](#) > [View 394 references](#) >

Sort on: [Date \(newest\)](#) ▾

[Export all](#) [Add all to list](#) [Set document alert](#) [Set document feed](#)

Document title	Authors	Year	Source	Cited by
A SIMPLIFIED METHOD for the WATER-EQUIVALENT DIAMETER CALCULATION to ESTIMATE PATIENT DOSE in CT EXAMINATIONS	Anam, C., Arif, I., Haryanto, F., (...), Adi, K., Dougherty, G.	2019	Radiation Protection Dosimetry 185(1), pp. 42-49	0

[View abstract](#) ▾ [View at Publisher](#) [Related documents](#)

System of Performance Evaluation of Rice Paddy Production with Data Envelopment Analysis Open Access	Hidayah, Q.H., Mustafid, Adi, K.	2019	E3S Web of Conferences 125,22006	0
---	----------------------------------	------	----------------------------------	---

[View abstract](#) ▾ [View at Publisher](#) [Related documents](#)

Document title	Authors	Year	Source	Cited by
Automated MTF measurement in CT images with a simple wire phantom Open Access	Anam, C., Fujibuchi, T., Haryanto, F., (...), Muhlisin, Z., Dougherty, G.	2019	Polish Journal of Medical Physics and Engineering 25(3), pp. 179-187	0
View abstract <input type="checkbox"/> View at Publisher Related documents				
Assessment of patient dose and noise level of clinical CT images: Automated measurements	Anam, C., Budi, W.S., Adi, K., (...), Fujibuchi, T., Dougherty, G.	2019	Journal of Radiological Protection 39(3), pp. 783-793	4
View abstract <input type="checkbox"/> View at Publisher Related documents				
Finger edge contour perimeter as a biometric based identification system Open Access	Widodo, C.E., Adi, K.	2019	Journal of Physics: Conference Series 1217(1),12033	0
View abstract <input type="checkbox"/> View at Publisher Related documents				
Richardson number model for turbulence motion analysis around airport runway Open Access	Gernowo, R., Saputro, H.D., Setiawan, A., Adi, K., Widodo, A.P.	2019	Journal of Physics: Conference Series 1217(1),12032	0
View abstract <input type="checkbox"/> View at Publisher Related documents				
Detecting driver drowsiness using total pixel algorithm Open Access	Adi, K., Widodo, A.P., Widodo, C.E., (...), Naqiyah, S., Aristia, H.N.	2019	Journal of Physics: Conference Series 1217(1),12036	0
View abstract <input type="checkbox"/> View at Publisher Related documents				
Determining the Threshold Value for Identification of the Goblet Cells in Chicken Small Intestine	Sepriana, D., Adi, K., Widodo, C.E.	2019	Proceeding - 2019 International Conference of Artificial Intelligence and Information Technology, ICAIIT 2019 8834622, pp. 255-259	0
View abstract <input type="checkbox"/> View at Publisher Related documents				
Information System Prediction with Weighted Moving Average (WMA) Method and Optimization Distribution Using Vehicles Routing Problem (VRP) Model for Batik Product Open Access	Nugrahani, T.A., Adi, K., Suseno, J.E.	2018	E3S Web of Conferences 73,13004	0
View abstract <input type="checkbox"/> View at Publisher Related documents				
Logic scoring of preference method for determining landfill with geographic information system	Pirmanto, D., Suseno, J.E., Adi, K.	2018	2018 International Seminar on Research of Information Technology and Intelligent Systems, ISRITI 2018 8864330, pp. 459-464	0
View abstract <input type="checkbox"/> View at Publisher Related documents				
Design of crack detection system for concrete built infrastructure based on fiber optic sensors	Hidayah, F.N., Budi, W.S., Adi, K., Supardjo	2018	AIP Conference Proceedings 1977,020007	0
View abstract <input type="checkbox"/> View at Publisher Related documents				
Automatic vehicle counting using background subtraction method on gray scale images and morphology operation Open Access	Adi, K., Widodo, A.P., Widodo, C.E., Pamungkas, A., Putranto, A.B.	2018	Journal of Physics: Conference Series 1025(1),012025	1
View abstract <input type="checkbox"/> View at Publisher Related documents				

Document title	Authors	Year	Source	Cited by
Hazard mitigation with cloud model based rainfall and convective data Open Access	Gernowo, R., Adi, K., Yulianto, T., Seniyatis, S., Yatunnisa, A.A.	2018	Journal of Physics: Conference Series 1025(1),012023	1
View abstract ▾ View at Publisher Related documents				
Application Mail Tracking Using RSA Algorithm As Security Data and HOT-Fit a Model for Evaluation System Open Access	Permadi, G.S., Adi, K., Gernowo, R.	2018	E3S Web of Conferences 31,11007	3
View abstract ▾ View at Publisher Related documents				
The Decision Support System (DSS) Application to Determination of Diabetes Mellitus Patient Menu Using a Genetic Algorithm Method Open Access	Zuliyana, N., Suseno, J.E., Adi, K.	2018	E3S Web of Conferences 31,10006	0
View abstract ▾ View at Publisher Related documents				
Detection lung cancer using Gray Level Co-Occurrence Matrix (GLCM) and back propagation neural network classification	Adi, K., Widodo, C.E., Widodo, A.P., (...), Pamungkas, A., Syifa, R.A.	2018	Journal of Engineering Science and Technology Review 11(2), pp. 8-12	3
View abstract ▾ Related documents				
Convective cloud model for analyzing of heavy rainfall of weather extreme at Semarang Indonesia	Gernowo, R., Adi, K., Yulianto, T.	2017	Advanced Science Letters 23(7), pp. 6593-6597	2
View abstract ▾ View at Publisher Related documents				
Beef marbling identification using color analysis and decision tree classification	Adi, K., Pujiyanto, S., Nurhayati, O.D., Pamungkas, A.	2017	Advanced Science Letters 23(7), pp. 6618-6622	0
View abstract ▾ View at Publisher Related documents				
Calculation of Lung Cancer Volume of Target Based on Thorax Computed Tomography Images using Active Contour Segmentation Method for Treatment Planning System Open Access	Yosandha, F.P., Adi, K., Widodo, C.E.	2017	Journal of Physics: Conference Series 855(1),012063	0
View abstract ▾ View at Publisher Related documents				
Detection of the beef quality: Using mobile-based K-mean clustering method	Nurhayati, O.D., Adi, K., Pujiyanto, S.	2017	Proceedings - 2016 3rd International Conference on Information Technology, Computer, and Electrical Engineering, ICITACEE 2016 7892450, pp. 253-259	2
View abstract ▾ View at Publisher Related documents				

Display: ▾ results per page

1 2

^ Top of page

The data displayed above is compiled exclusively from documents indexed in the Scopus database. To request corrections to any inaccuracies or provide any further feedback, please use the [Author Feedback Wizard](#) .

About Scopus

What is Scopus
Content coverage
Scopus blog
Scopus API

Language

日本語に切り替える
切换到简体中文
切换到繁體中文
Русский язык

Customer Service


Help
Contact us



Document details

[Back to results](#) | [Previous](#) 26 of 35 [Next](#) >[Export](#) [Download](#) [Print](#) [E-mail](#) [Save to PDF](#) [Add to List](#) [More...](#) >International Journal of Applied Engineering Research
Volume 11, Issue 16, 2016, Pages 9031-9036

Volume target delineation for brain tumor in MRI images using active contour segmentation method (Article)

Widodo, C.E.^a , Adi, K.^a, Sugiharto, A.^b, Qidir Maulana, B.S.^a, Pamungkas, A.^a^aPhysics Department, Faculty of Science and Mathematics, Diponegoro University, Indonesia^bComputer Science Department, Faculty of Science and Mathematics, Diponegoro University, Indonesia

Abstract

Radiotherapy is a tumor treatment process using high dose of radiation. Hence, it is essential that radiotherapy is carefully planned with a Treatment Planning System (TPS). The first step in TPS is delineation that aims to get a better picture of the tumor and the target volume value. This research investigated volume target delineation for brain tumor against the MRI image of the head in axial position. Calculated target volumes include GTV (Gross Tumor Volume), CTV (Clinical Target Volume), PTV (Planning Target Volume), and OAR (Organ at Risk). Images were segmented using the active contour method. Segmentation result from each Slice is then calculated for its area, which then in turn, integrated to get the target volume. This research yields calculated volume and 3D visualization of each target. These two parameters are parts of a Treatment Planning System (TPS) used as a guideline in radiotherapy. © Research India Publications.

SciVal Topic Prominence ⓘ

Topic: Blood | Cytology | Smear images

Prominence percentile: 93.841



Author keywords

Active contour

Axial

Brain tumor

Volume definition

ISSN: 09734562

Source Type: Journal

Original language: English

Document Type: Article

Publisher: Research India Publications

© Copyright 2018 Elsevier B.V., All rights reserved.

[Back to results](#) | [Previous](#) 26 of 35 [Next](#) >[Top of page](#)Metrics ⓘ [View all metrics](#) >

Cited by 0 documents

Inform me when this document is cited in Scopus:

[Set citation alert](#) >[Set citation feed](#) >

Related documents

Find more related documents in Scopus based on:

[Authors](#) > [Keywords](#) >

ELSEVIER

[Terms and conditions](#) ↗ [Privacy policy](#) ↗

Copyright © Elsevier B.V. All rights reserved. Scopus® is a registered trademark of Elsevier B.V.

We use cookies to help provide and enhance our service and tailor content. By continuing, you agree to the use of cookies.

 RELX