

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

Judul Jurnal Ilmiah (Artikel) : Performance On The Drop Impact Test Of The Cone Capsule Shaped Portable Tsunami Lifeboat Using Penalty Method Contact Analysis

Jumlah Penulis : 4 orang

Status Pengusul : penulis ke-1/utama

Identitas Jurnal Ilmiah :

- a. Nama Jurnal : Journal of Applied Engineering Science
- b. Nomor ISSN : ISSN 1451-4117 (printed), E-ISSN 1821-3197 (online)
- c. Vol, No., Bln Thn : 17, 2 Tahun 2019
- d. Penerbit : IIPP Publishing / Institute for research and design in industry, Belgrade, Serbia
- e. DOI artikel (jika ada) : DOI 10.5937/jaes17-19636
- f. Alamat web jurnal : [http://www.engineeringscience.rs/article/Volume\\_17\\_article\\_601](http://www.engineeringscience.rs/article/Volume_17_article_601)
- Alamat Artikel : <http://www.engineeringscience.rs/images/pdf/601%20-%2019636.pdf>
- g. Terindex : Scopus Q2

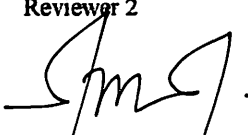
Kategori Publikasi Jurnal Ilmiah (beri ✓ pada kategori yang tepat) :

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

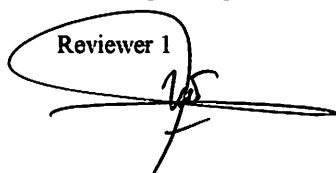
Hasil Penilaian Peer Review :

Komponen Yang Dinilai	Nilai Reviewer		Nilai Rata-rata
	Reviewer I	Reviewer II	
a. Kelengkapan unsur isi jurnal (10%)	4	4	4
b. Ruang lingkup dan kedalaman pembahasan (30%)	10	9	9,5
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	10	8	9
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	10	11	10,5
<b>Total = (100%)</b>	<b>34</b>	<b>32</b>	<b>33</b>
<b>Nilai Pengusul = (60% x 33) = 19,8</b>			

Semarang, 19 Agustus 2019

Reviewer 2  


Ojo Kurdi, S.T., M.T., Ph.D  
 NIP. 197303171999031001  
 Unit Kerja : S1 Teknik Mesin FT UNDIP

Reviewer 1  


Dr. Eng. Hartono Yudo, S.T., M.T.  
 NIP. 197510211999031004  
 Unit Kerja : S1 Teknik Perkapalan FT UNDIP

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

Judul Jurnal Ilmiah (Artikel) : Performance On The Drop Impact Test Of The Cone Capsule Shaped Portable Tsunami Lifeboat Using Penalty Method Contact Analysis

Jumlah Penulis : 4 orang

Status Pengusul : penulis ke-1/utama

Identitas Jurnal Ilmiah :

- a. Nama Jurnal : Journal of Applied Engineering Science
- b. Nomor ISSN : ISSN 1451-4117 (printed), E-ISSN 1821-3197 (online)
- c. Vol, No., Bln Thn : 17, 2 Tahun 2019
- d. Penerbit : IIPP Publishing / Institute for research and design in industry, Belgrade, Serbia
- e. DOI artikel (jika ada) : DOI 10.5937/jaes17-19636
- f. Alamat web jurnal : [http://www.engineeringscience.rs/article/Volume\\_17\\_article\\_601](http://www.engineeringscience.rs/article/Volume_17_article_601)
- Alamat Artikel : <http://www.engineeringscience.rs/images/pdf/601%20-%2019636.pdf>
- g. Terindex : Scopus Q2

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

<input checked="" type="checkbox"/>	Jurnal Ilmiah Internasional
<input type="checkbox"/>	Jurnal Ilmiah Nasional Terakreditasi
<input type="checkbox"/>	Jurnal Ilmiah Nasional Tidak Terakreditasi

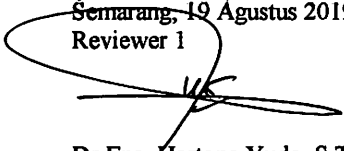
Hasil Penilaian *Peer Review* :

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah			Nilai Akhir Yang Diperoleh
	Internasional	Nasional Terakreditasi	Nasional Tidak Terakreditasi	
a. Kelengkapan unsur isi jurnal (10%)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4
b. Ruang lingkup dan kedalaman pembahasan (30%)	4,00	12,00		10
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	12,00			10
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	12,00			10
<b>Total = (100%)</b>	<b>40,00</b>			<b>34</b>
<b>Nilai Pengusul = (60% x 34) = 20,4</b>				

Catatan Penilaian artikel oleh Reviewer :

- Kesesuaian dan kelengkapan unsur isi jurnal:**  
Artikel memenuhi template dan kelengkapan unsur jurnal yang bereputasi
- Ruang lingkup dan kedalaman pembahasan:**  
Substansi tulisan berada dalam ruang lingkup tentang analisis struktur dengan menggunakan algoritma contact yang diaplikasikan pada struktur kelautan. Pembahasan dilakukan baik dengan tingkat kedalaman yang baik dengan mengaplikasikan karakter material yang dikenai beban dinamik
- Kecukupan dan kemutakhiran data/informasi dan metodologi:**  
Referensi dan issue yang dibahas adalah topik yang mutakhir dan menarik untuk dikaji, metodologi yang digunakan juga sudah sesuai, namun tidak dilengkapi dengan kajian eksperimen. Bila dilengkapi dengan eksperimen dapat dipublikasi di jurnal bereputasi tinggi (Scopus Indexed Q1)
- Kelengkapan unsur dan kualitas terbitan:**  
Jurnal memiliki reputasi baik, SJR (0,22), Terindeks Scopus Q2, dapat digunakan untuk prasyarat ke Lektor Kepala

Semarang, 19 Agustus 2019  
 Reviewer 1

  
 Dr. Eng. Hartono Yudo, S.T., M.T.  
 NIP. 197510211999031004  
 Unit Kerja : S1 Teknik Perkapalan FT UNDIP

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

Judul Jurnal Ilmiah (Artikel) : Performance On The Drop Impact Test Of The Cone Capsule Shaped Portable Tsunami Lifeboat Using Penalty Method Contact Analysis

Jumlah Penulis : 4 orang

Status Pengusul : penulis ke-1/utama

Identitas Jurnal Ilmiah :

a. Nama Jurnal : Journal of Applied Engineering Science

b. Nomor ISSN : ISSN 1451-4117 (printed), E-ISSN 1821-3197 (online)

c. Vol, No., Bln Thn : 17, 2 Tahun 2019

d. Penerbit : IIPP Publishing / Institute for research and design in industry, Belgrade, Serbia

e. DOI artikel (jika ada) : DOI 10.5937/jaes17-19636

f. Alamat web jurnal : [http://www.engineeringscience.rs/article/Volume\\_17\\_article\\_601](http://www.engineeringscience.rs/article/Volume_17_article_601)

Alamat Artikel : <http://www.engineeringscience.rs/images/pdf/601%20-%2019636.pdf>

g. Terindex : Scopus Q2

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

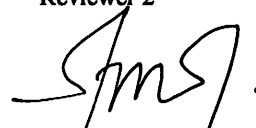
Hasil Penilaian Peer Review :

Komponen Yang Dinilai	Nilai Maksimal Jurnal Ilmiah			Nilai Akhir Yang Diperoleh
	Internasional	Nasional Terakreditasi	Nasional Tidak Terakreditasi	
a. Kelengkapan unsur isi jurnal (10%)	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	4
b. Ruang lingkup dan kedalaman pembahasan (30%)	12,00			9
c. Kecukupan dan kemutakhiran data/informasi dan metodologi (30%)	12,00			8
d. Kelengkapan unsur dan kualitas terbitan/jurnal (30%)	12,00			11
<b>Total = (100%)</b>	<b>40,00</b>			<b>32</b>
<b>Nilai Pengusul = (60% x 32) = 19,2</b>				

Catatan Penilaian artikel oleh Reviewer :

- Kesesuaian dan kelengkapan unsur isi jurnal:**  
Isi artikel baik dan sesuai dengan kelengkapan unsur jurnal yang dituju. Artikel sesuai dengan disiplin ilmu penulis yaitu bidang teknik perkapalan
- Ruang lingkup dan kedalaman pembahasan:**  
Pembahasan dilakukan dengan cukup komprehensif dan tingkat kedalaman yang baik. Ruang lingkup dinyatakan dengan jelas dan memiliki kontribusi yang baik bagi perkembangan teknologi struktur lifeboat
- Kecukupan dan kemutakhiran data/informasi dan metodologi:**  
Referensi dan data disajikan dengan cukup mutakhir, lengkap dan baik namun tidak ada kajian eksperimen
- Kelengkapan unsur dan kualitas terbitan:**  
Jurnal cukup baik, masuk dalam kategori jurnal internasional bereputasi, SJR Index 0,22, Kategori Q2

Semarang, 19 Agustus 2019  
 Reviewer 2



Ojo Kurdi, S.T., M.T., Ph.D  
 NIP. 197303171999031001  
 Unit Kerja : S1 Teknik Mesin FT UNDIIP

< Back to results | < Previous 2 of 23 Next >

Export Download Print E-mail Save to PDF Add to List More... >

View at Publisher

Journal of Applied Engineering Science [Open Access](#)  
Volume 17, Issue 2, 2019, Pages 233-244

## Performance on the drop impact test of the cone capsule shaped portable tsunami lifeboat using penalty method contact analysis (Article) [\(Open Access\)](#)

Zakki, A.F.  Suharto, S., Bae, D.M., Windyandari, A. 

Diponegoro University, Indonesia


### Abstract

[View references \(27\)](#)

In 2016, the Laboratory of Ship Structures and Construction Diponegoro University organized a research group to develop an alternative hullform for the tsunami lifeboat. The research group proposed a cone capsule shaped portable tsunami lifeboat to support tsunami evacuation system, especially to give a portable protection facility that easily accessed by disable person, senior citizens and children. In order to fulfill the requirement that the lifeboat structure should be able to withstand the impact load, the aimed of the study is focused on the performance of the drop impact test of the developed portable tsunami lifeboat using numerical simulation. The tsunami lifeboat has to maintain its structural integrity when dropped on 3m free fall height. The orientation configurations are considered for the numerical analysis includes end drop, side drop and reversed drop. The explicit finite element with penalty method contact analysis is used to evaluate the drop test performance. The results show that the maximum effective stress and plastic strain is found in the side drop condition. It is indicated that the side structure is more vulnerable than the top and bottom structure. The maximum absorbed rupture energy is occurred on the frame structure for reversed drop condition, however it is transmitted effectively to all of the connected frames, outer-shell and inner-shell structures. According to the results of simulation analysis, it can be concluded that the structure of the cone capsule tsunami lifeboat is reliable to withstand the severe load during the tsunami disaster. © 2019 Institut za Istrazivanja. All rights reserved.

### SciVal Topic Prominence

Topic: Lifeboats | Ice | Water entry

Prominence percentile: 55.812 

### Author keywords

Cone capsule shaped geometry Rupture energy Structure integrity Tsunami lifeboat

ISSN: 14514117

Source Type: Journal

Original language: English

DOI: 10.5937/jaes17-19636

Document Type: Article

Publisher: Institut za Istrazivanja

### References (27)

[View in search results format >](#)

### Metrics



#### PlumX Metrics

Usage, Captures, Mentions, Social Media and Citations beyond Scopus.

### Cited by 0 documents

Inform me when this document is cited in Scopus:

[Set citation alert >](#)

[Set citation feed >](#)

### Related documents

A model for deployment of a freefall lifeboat from a moving ramp into waves

Raman-Nair, W. , White, M. (2013) *Multibody System Dynamics*

Free-fall lifeboats: Experimental investigation of the impact of environmental conditions on technical and human performance

Ré, A.S. , MacKinnon, S. , Veitch, B. (2008) *Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering - OMAE*

A comparative study on the behaviour of free-fall lifeboat launching from a skid and from a hook

Khondoker, M.R.H. , Arai, M. (2000) *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering*

[View all related documents based on references](#)

[Find more related documents in Scopus based on this](#)

All  Export  Print  E-mail  Save to PDF  Create bibliography

Delays in some content being added to Scopus

We have identified an issue which means that some sources will face delays in new issues being added to Scopus. We apologize for any inconvenience and share updates via Twitter (@Scopus) and via the Scopus blog here

- 1 (2011) *Re-Port of the Committee for Technical Investigation on Countermeasures for Earthquakes and Tsunamis Based on the Lessons Learned from the 2011 off the Pacific Coast of Tohoku Earthquake*  
Central Disaster Management Council

- 2 Zakki, A.F., Suharto, Windyandari, A.  
The Evaluation of Cone Capsule as an Alternative Hull form for Portable Tsunami Lifeboat to Support Evacuation System in the Coastal Regions and Small Islands  
([Open Access](#))  
  
(2018) *IOP Conference Series: Earth and Environmental Science*, 135 (1), art. no. 012006. Cited 2 times.  
<http://www.iop.org/EJ/volume/1755-1315>  
doi: 10.1088/1755-1315/135/1/012006  
  
View at Publisher

- 3 (1996) *International Life-Saving Appliance (LSA) Code*. Cited 2 times.  
IMO

- 4 Boef, W.J.C.  
Launch and impact of free-fall lifeboats. Part I. Impact theory  
  
(1992) *Ocean Engineering*, 19 (2), pp. 119-138. Cited 26 times.  
doi: 10.1016/0029-8018(92)90011-R  
  
View at Publisher

- 5 Boef, W.J.C.  
Launch and impact of free-fall lifeboats. Part II. Implementation and applications  
  
(1992) *Ocean Engineering*, 19 (2), pp. 139-159. Cited 17 times.  
doi: 10.1016/0029-8018(92)90012-5  
  
View at Publisher

- 6 Arai, M., Inoue, Y., Khondoker, R.H.  
Water entry simulation of free-fall lifeboat. First report: Analysis of motion and acceleration  
  
(1995) *Nihon Zosen Gakkai Ronbunshu/Journal of the Society of Naval Architects of Japan*, 178, pp. 193-201. Cited 17 times.  
  
View at Publisher

- 7 Arai, M., Khondoker, M.R.H., Inoue, Y.  
Water entry simulation of free fall lifeboat, 2nd report: Effects of acceleration on the occupants  
(1996) *Journal of the Society of Naval ArchitectS of Japan*, 179, pp. 205-211. Cited 10 times.

- 8 Khondoker, M.R.H.  
Effects of launching parameters on the performance of a free-fall lifeboat  
  
(1998) *Naval Engineers Journal*, 110 (4), pp. 67-73. Cited 9 times.  
<http://www3.interscience.wiley.com/journal/122266131/grouphome/home.html>  
doi: 10.1111/j.1559-3584.1998.tb02612.x

- 9 Khondoker, M.R.H., Arai, M.  
A comparative study on the behaviour of free-fall lifeboat launching from a skid and from a hook  
  
(2000) *Proceedings of the Institution of Mechanical Engineers, Part C: Journal of Mechanical Engineering*, 214 (2), pp. 359-370. Cited 6 times.  
<http://pic.sagepub.com/content/by/year>  
doi: 10.1243/0954406001523029  
  
View at Publisher
- 
- 10 Karim, M.M., Iqbal, K.S., Khondoker, M.R.H., Rahman, S.M.H.  
Numerical investigation into the effect of launch skid angle on the behaviour of free-fall lifeboat in regular waves  
  
(2009) *Transactions of the Royal Institution of Naval Architects Part B: International Journal of Small Craft Technology*, 151 (1), pp. 37-48. Cited 4 times.
- 
- 11 Karim, M.M., Iqbal, K.S., Khondoker, M.R.H., Rahman, S.M.H.  
Influence of falling height on the behavior of skid-launching free-fall lifeboat in regular waves  
  
(2011) *Journal of Applied Fluid Mechanics*, 4 (1), pp. 77-88. Cited 6 times.  
[http://www.jafmonline.net/modules/journal/journal\\_download.php?EjsrcId=401d037c0eb7d58a6f33c7a4175d4585](http://www.jafmonline.net/modules/journal/journal_download.php?EjsrcId=401d037c0eb7d58a6f33c7a4175d4585)
- 
- 12 Bae, D.M., Zakki, A.F., Kim, H.S., Kim, J.G.  
Estimation of acceleration response of freefall lifeboat Using FSI analysis technique of LS-DYNA code  
(2010) *Journal of the Society of Naval Architects of Korea*, 47 (5), pp. 681-688. Cited 2 times.
- 
- 13 Bae, D.M., Zakki, A.F.  
Comparisons of Multi Material ALE and Single Material ALE in LS-DYNA for Estimation of Acceleration Response of Free-fall Lifeboat  
(2011) *Journal of the Society of Naval Architects of Korea*, 48 (6), pp. 552-559. Cited 7 times.
- 
- 14 Shibata, K., Koshizuka, S., Sakai, M., Tanizawa, K., Ota, S.  
Numerical analysis of acceleration of a free-fall lifeboat using the MPS method  
  
(2013) *International Journal of Offshore and Polar Engineering*, 23 (4), pp. 279-285. Cited 7 times.
- 
- 15 Zakki, A.F., Windyandari, A., Bae, D.M.  
The development of new type free-fall lifeboat using Fluid Structure Interaction analysis  
  
(2016) *Journal of Marine Science and Technology (Taiwan)*, 24 (3), pp. 575-580. Cited 6 times.  
<http://jmst.ntou.edu.tw/marine/24-3/575-580.pdf>  
doi: 10.6119/JMST-015-1126-1  
  
View at Publisher
- 
- 16 Zakki, A.F., Windyandari, A., Bae, D.M.  
The investigation of launching parameters on the motion pattern of freefall lifeboat using FSI analysis  
(2015) *Procedia Earth and Planetary Science*, 14, pp. 110-117.

Delays in some content being added to Scopus

We have identified an issue which means that some sources will face delays in new issues being added to Scopus. We apologize for any inconvenience and will share updates via Twitter (@Scopus) and via the Scopus blog here

- 17 Ji, G., Berchiche, N., Fouques, S., Sauder, T., Reinholdtsen, S.-A.  
**Integrity assessment of a free-fall lifeboat launched from a FPSO**  
  
(2015) *Proceedings of the International Conference on Offshore Mechanics and Arctic Engineering - OMAE*, 3. Cited 2 times.  
<http://www.asmedl.org/journals/doc/ASMEDL-home/proc/>  
ISBN: 978-079185649-9  
doi: 10.1115/OMAE201541809  
  
View at Publisher
- 

- 18 Ringsberg, J.W., Heggelund, S.E., Lara, P., Jang, B.-S., Hirdaris, S.E.  
**Structural response analysis of slamming impact on free fall lifeboats**  
  
(2017) *Marine Structures*, 54, pp. 112-126. Cited 4 times.  
doi: 10.1016/j.marstruc.2017.03.004  
  
View at Publisher
- 

- 19 *Storm, Tornado and Tsunami Interconnected Modules Shelters (STATIM) Shelter Systems*  
Brahman Industries. from Accessed on 2017-11-04  
[Brahman Industries](#)
- 

- 20 *Japanese 'Noah'S Ark' Disaster Capsule Goes on Sale*  
Cosmo Engineering Company. from Accessed on 2015-11-5  
[The Guardian](#)
- 

- 21 Takahiro, S., Kazuo, S., Ryosuke, S., Kenjiro, Y., Hiroyuki, S., Akio, I.  
Development of a prototype tsunami lifeboat  
(2014) *IHI Engineering Review*, 46 (2), pp. 11-20.
- 

- 22 *Tsunami Lifeboat Guidelinesapproval Granted for the TTS80Floating Aluminum Tsunami Shelter*  
Craft. Tsuneishi Facilities and Craft Co. Ltd. from Accessed on 2015-12-05  
[Tsuneishi Facilities](#)
- 

- 23 *Lifeboats That Are Resilient against Tsunami and Floods LIFE SEEDER)*  
Shigi Shipbuilding Co. Ltd. from Accessed on 2015-12-3  
[Shigi Shipbuilding](#)
- 

- 24 Yaztrebov, V.A.  
(2011) *Computational Contact Mechanics*. Cited 6 times.  
Paris: Ph. D. dissertation
- 

- 25 Vulovic, S., Zivkovic, M., Grujovic, N., Slavkovic, R.  
A comparative Study of Contact Problems Solution Based on the Penalty and Lagrange Multiplier Approaches  
(2007) *Journal of the Serbian Society for Computational Mechanics*, 1 (1), pp. 174-183. Cited 13 times.

Delays in some content being added to Scopus

We have identified an issue which means that some sources will face delays in new issues being added to Scopus. We apologize for any inconvenience and will share updates via Twitter (@Scopus) and via the Scopus blog here

- 26 Tanapornraweekit, G., Haritos, N., Mendis, P., Ngo, T.  
Finite element simulation of frp strengthened reinforced concrete slabs under two independent air blasts

(2010) *International Journal of Protective Structures*, 1 (4), pp. 469-488. Cited 9 times.  
doi: 10.1260/2041-4196.1.4.469

[View at Publisher](#)

---

- 27 Tanapornraweekit, G., Haritos, N., Mendis, P.  
Behavior of FRP-RC slabs under multiple independent air blasts

(2011) *Journal of Performance of Constructed Facilities*, 25 (5), pp. 433-440. Cited 11 times.  
doi: 10.1061/(ASCE)CF.1943-5509.0000191

[View at Publisher](#)

---

🔍 Zakki, A.F.; Diponegoro University, Indonesia; email:ahmadfzakki@yahoo.com

© Copyright 2019 Elsevier B.V., All rights reserved.

---

[< Back to results](#) | [< Previous](#) 2 of 23 [Next >](#)

[^ Top of page](#)



[About Scopus](#)

[What is Scopus](#)

[Content coverage](#)

[Scopus blog](#)

[Scopus API](#)

[Privacy matters](#)

[Language](#)

[日本語に切り替える](#)

[切换到简体中文](#)

[切换到繁體中文](#)

[Customer Service](#)

[Help](#)

[Contact us](#)

**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

Delays in some content being added to Scopus

*We have identified an issue which means that some sources will face delays in new issues being added to Scopus. We apologize for any inconvenience and will share updates via Twitter (@Scopus) and via the Scopus blog here*

# Source details

## Journal of Applied Engineering Science

Open Access ⓘ

Scopus coverage years: from 2006 to 2018

Publisher: Institut za Istrazivanja I Projektovanja u Privredi

ISSN: 1451-4117 E-ISSN: 1821-3197

Subject area:

- Engineering: General Engineering
- Engineering: Safety, Risk, Reliability and Quality
- Engineering: Mechanical Engineering
- Engineering: Civil and Structural Engineering
- Social Sciences: Transportation
- Energy: Renewable Energy, Sustainability and the Environment

CiteScore 2018

**0.50**



SJR 2018

**0.224**



SNIP 2018

**0.715**



[View all documents >](#)

[Set document alert](#)

[Save to source list](#) [Journal Homepage](#)

[CiteScore](#) [CiteScore rank & trend](#) [CiteScore presets](#) [Scopus content coverage](#)

CiteScore 2018 v

Calculated using data from **30 April, 2019**

$$0.50 = \frac{\text{Citation Count 2018}}{\text{Documents 2015 - 2017}^*} = \frac{95 \text{ Citations} >}{190 \text{ Documents} >}$$

\*CiteScore includes all available document types

[View CiteScore methodology >](#) [CiteScore FAQ >](#)

CiteScoreTracker 2019 ⓘ

Last updated on *09 September, 2019*  
Updated monthly

$$0.40 = \frac{\text{Citation Count 2019}}{\text{Documents 2016 - 2018}} = \frac{92 \text{ Citations to date} >}{228 \text{ Documents to date} >}$$

### CiteScore rank ⓘ

Category	Rank	Percentile
Engineering		
└ General Engineering	#179/275	34th
Engineering		
└ Safety, Risk, Reliability and Quality	#108/154	29th

[View CiteScore trends >](#)

[Add CiteScore to your site](#)

Metrics displaying this icon are compiled according to Snowball Metrics , a collaboration between industry and academia.

[About Scopus](#)

[What is Scopus](#)

[Content coverage](#)

[Scopus blog](#)

[Scopus API](#)

[Privacy matters](#)

[Language](#)

[日本語に切り替える](#)

[切换到简体中文](#)

[切换到繁體中文](#)

[Customer Service](#)

[Help](#)

[Contact us](#)

**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

Delays in some content being added to Scopus

*We have identified an issue which means that some sources will face delays in new issues being added to Scopus. We apologize for any inconvenience and will share updates via Twitter (@Scopus) and via the Scopus blog here*

**SJR**

Scimago Journal &amp; Country Rank

Enter Journal Title, ISSN or Publisher Name

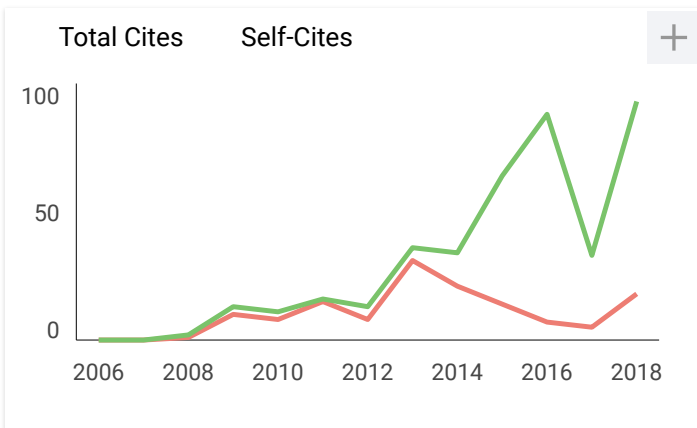
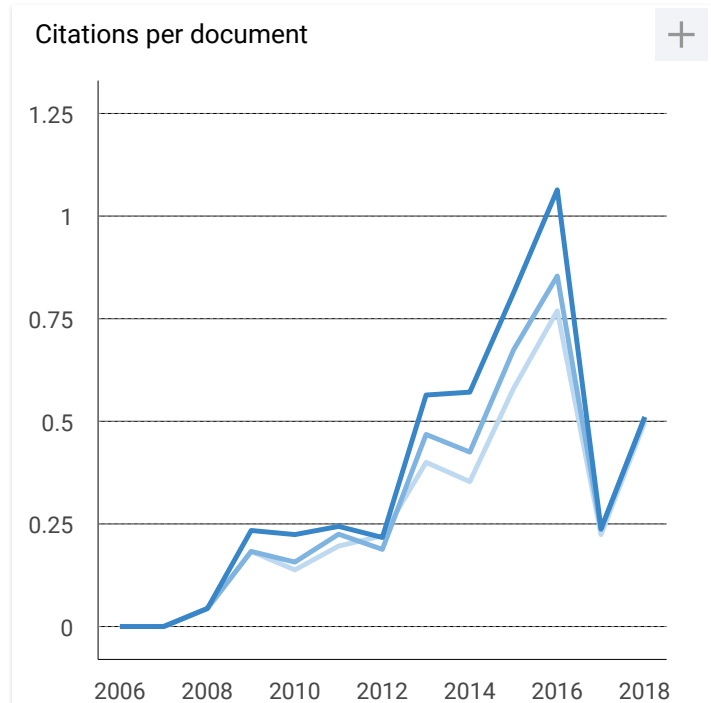
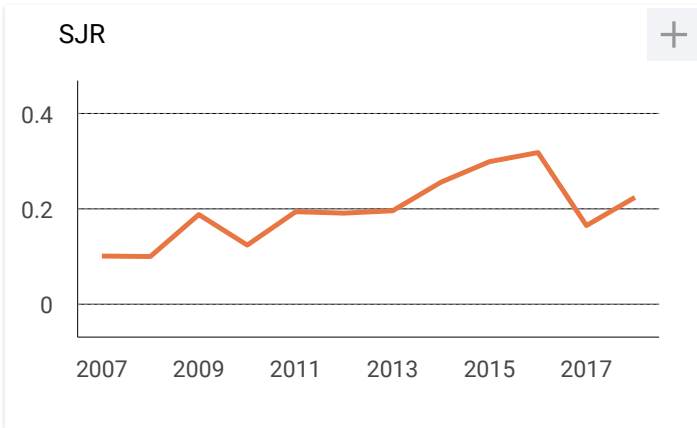
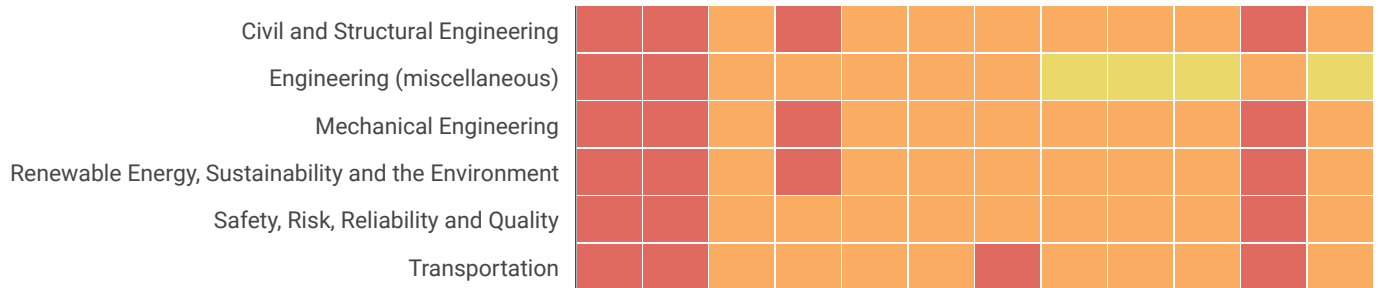
[Home](#)[Journal Rankings](#)[Country Rankings](#)[Viz Tools](#)[Help](#)[About Us](#)

# Journal of Applied Engineering Science/Istrazivanja i Projektovanja za Privredu

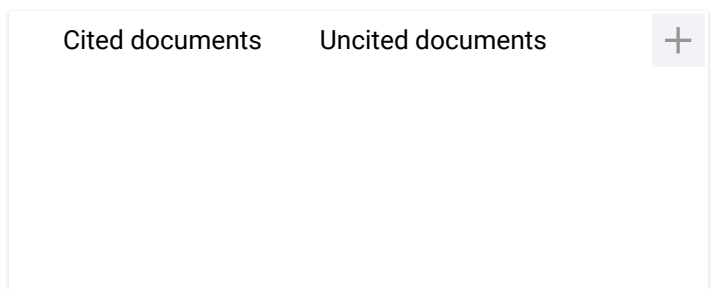
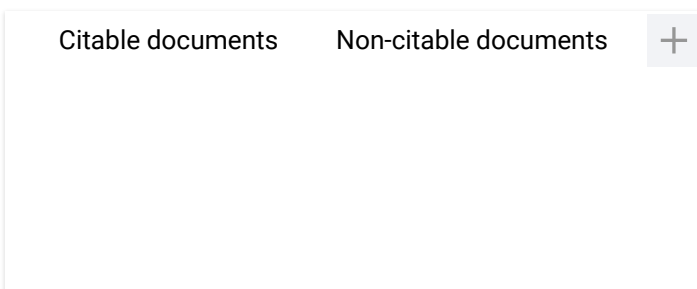
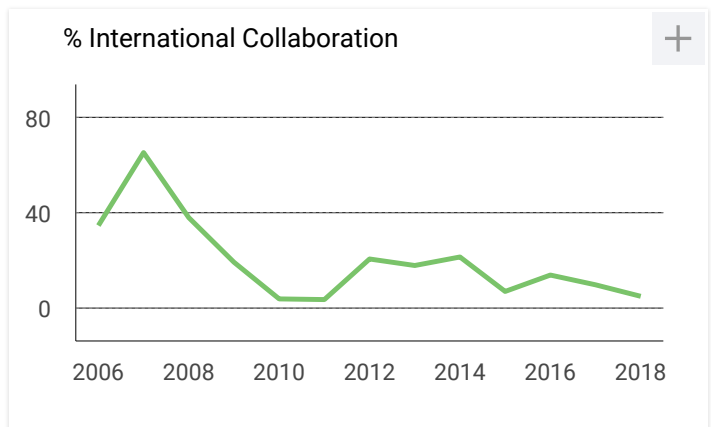
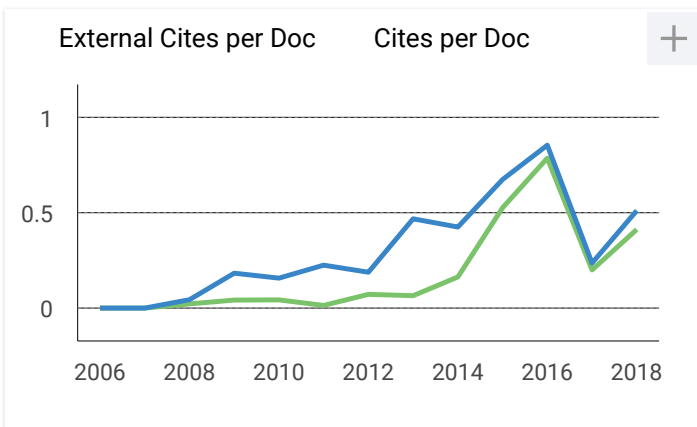
<b>Country</b>	<a href="#">Serbia</a> - <a href="#">IIII</a> <a href="#">SJR Ranking of Serbia</a>	<b>9</b> H Index
<b>Subject Area and Category</b>	<a href="#">Energy</a> <a href="#">Renewable Energy, Sustainability and the Environment</a>  <a href="#">Engineering</a> <a href="#">Civil and Structural Engineering</a> <a href="#">Engineering (miscellaneous)</a> <a href="#">Mechanical Engineering</a> <a href="#">Safety, Risk, Reliability and Quality</a>  <a href="#">Social Sciences</a> <a href="#">Transportation</a>	
<b>Publisher</b>	<a href="#">Institut za Istrazivanja I Projektovanja u Privredi</a>	
<b>Publication type</b>	Journals	
<b>ISSN</b>	14514117	
<b>Coverage</b>	2006-ongoing	
<b>Scope</b>	Since 2002 iipp build cooperation with its clients established on wealthy experience, interchangeable respect and trust and permanently arrangement with the purpose of successfully realization of projects recognizable according to good organization and high quality of provided favors. Working as unique team of highly motivated experts, Institute iipp provides to its customers the most high-quality solutions in domain of engineering consulting.	
	<a href="#">? Homepage</a>  <a href="#">Join the conversation about this journal</a>	

Quartiles





- Cites / Doc. (4 years)
- Cites / Doc. (3 years)
- Cites / Doc. (2 years)





**Journal of Applied Engineering...**

**Q2** Engineering (miscellaneous)  
best quartile

**SJR 2018**  
**0.22**

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.scimaç
```

### Leave a comment

Name

Email

(will not be published)

I'm not a robot

reCAPTCHA  
[Privacy](#) · [Terms](#)

Submit

The users of Scimago Journal & Country Rank have the possibility to dialogue through comments linked to a specific journal. The purpose is to have a forum in which general doubts about the processes of publication in the journal, experiences and other issues derived from the publication of papers are resolved. For topics on particular articles, maintain the dialogue through the usual channels with your editor.

Developed by:



Powered by:



Follow us on @ScimagoJR

Scimago Lab, Copyright 2007-2019. Data Source: Scopus®

EST MODUS IN REBUS  
Horatio (Satire 1.1.106)

iipp publishing

# Journal of Applied Engineering Science

---



[HOME](#)[EDITORIAL POLICY](#)[EDITORIAL BOARD](#)[BROWSE ISSUES](#)[INSTRUCTIONS FOR  
AUTHORS](#)[SUBMIT AN ARTICLE](#)[CONTACT](#)Scopus®ULRICHSWEB™  
GLOBAL SERIALS DIRECTORYOPEN ACCESSKoBSONSCINDEKS  
Srpski citatni indeksD.O.A. DIRECTORY  
OF OPEN ACCESS

## JOURNAL OF APPLIED ENGINEERING SCIENCE - OPEN ACCESS JOURNAL

**Aims and Scope:** The Journal of Applied Engineering Science - JAES is an international journal dedicated to the improvement and dissemination of knowledge on methods, policies and technologies in technical sciences, energy, energy efficiency and environment, industrial engineering, quality management and other related sciences. JAES follows new trends and progress proven practice in listed fields, thus creating a unique forum (platform) for interdisciplinary or multidisciplinary dialog.

**Periodicity:** Yearly volumes, quarterly issues – papers published as soon as accepted, starting with 2003.

**Review process:** Double blind peer review (reviewers and authors do not see the reviewer/author names)

**Plagiarism checking:** All submitted papers are checked against plagiarism with iThenticate tools: CrossCheck/iThenticate through SCIndeks Asistent.

**CrossRef/DOI:** [Centre for Evaluation in Education and Science](#)

**Citations legitimacy:** CiteMatcher through SCIndeks Asistent

**Thesaurus-based keywords:** AKWA/KwASS through SCIndeks Asistent

**Method of Publishing:** Printed & Online, OPEN ACCESS

All contents are freely available without charge to the user or his/her institution. Users have the right to read, download, copy, distribute, print, search, or link to the full texts of articles published in JAES journal without asking prior permission from the publisher or the author.

**ISSN** 1451-4117 (printed)      **E-ISSN** 1821-3197 (online)  
**JAES** - Short journal title

**Publisher:** Institute for research and design in industry, Belgrade, Serbia

**Co-publishers:**

University of Belgrade, Faculty of Mechanical Engineering, Serbia

University of Belgrade, Faculty of Transport and Traffic Engineering, Serbia

### VOLUME 17 NUMBER 3

[home](#)   [editorial policy](#)   [editorial board](#)   [browse issues](#)   [instructions for authors](#)   [submit an article](#)

Engineering science © Copyright iipp 2016.

iipp publishing

# Journal of Applied Engineering Science

---

[HOME](#)[EDITORIAL POLICY](#)[EDITORIAL BOARD](#)[BROWSE ISSUES](#)[INSTRUCTIONS FOR AUTHORS](#)[SUBMIT AN ARTICLE](#)Scopus<sup>®</sup>ULRICHSWEB<sup>™</sup>  
GLOBAL SERIALS DIRECTORYOPEN  ACCESSSCINDEKS   
Srpski citatni indeks

## EDITORIAL BOARD

---

### EDITOR-IN-CHIEF

**Prof. Dr Gradimir Danon** (retired), University of Belgrade, Faculty of Forestry,  
Kneza Visaslava 1, 11000 Belgrade, Serbia  
Contact email address: gdanon@iipp.rs

### EXECUTIVE EDITOR

**Mr Nada Stanojevic**, University of Belgrade, Faculty of Mechanical Engineering,  
Kraljice Marije 16, 11000 Belgrade, Serbia  
Contact email address: nstanojevic@iipp.rs

### INTERNATIONAL EDITORIAL ADVISORY BOARD by alphabetical order

**Prof. Dr Butala Vincenc**,  
University of Ljubljana, Faculty of Mechanical Engineering, Aškerčeva 6, SI-1000 Ljubljana, Slovenia;

**Prof. Dr Branko Vasic**,  
University of Belgrade, Faculty of Mechanical Engineering, Kraljice Marije 16, 11000, Belgrade,  
Serbia;

**Doc. Dr Davor Vujanovic**,  
University of Belgrade, Faculty of Traffic and Transportation, Vojvode Stepe 305, 11000 Belgrade,

Serbia;

**Prof. Dr Dragan Aleksendric,**

University of Belgrade, Faculty of Mechanical Engineering, Kraljice Marije 16, 11000, Belgrade, Serbia;

**Prof. Dr Dragan Milutinovic,**

University of Belgrade, Faculty of Mechanical Engineering, Kraljice Marije 16, 11000, Belgrade, Serbia;

**Doc. Dr Goran Vorotovic,**

University of Belgrade, Faculty of Mechanical Engineering, Kraljice Marije 16, 11000, Belgrade, Serbia;

**Doc. Dr Ivan Blagojevic,**

University of Belgrade, Faculty of Mechanical Engineering, Kraljice Marije 16, 11000, Belgrade, Serbia;

**Prof. Dr Jezdimir Knezevic,**

MIRCE Academy, Woodbury Castle, Woodbury, Exeter EX5 1JJ, United Kingdom;

**Prof. Dr Jozef Aronov,**

Russian Research Institute for Certification, 3/10, Elektrichesky Lane, Bld. 1, Moscow, 123557, Russia;

**Prof. Dr Milos Knezevic,**

University of Podgorica, Faculty of Civil Engineering, Cetinjski put bb, 81100 Podgorica, Montenegro;

**MSC Milos Vasic,**

University of Belgrade, Faculty of Mechanical Engineering, Kraljice Marije 16, 11000, Belgrade, Serbia;

**Prof. Dr Miodrag Zec,**

University of Belgrade, Faculty of Philosophy, Cika Ljubina 18-20, 11000 Belgrade, Serbia;

**Prof. Dr Mirjana Misita,**

University of Belgrade, Faculty of Mechanical Engineering, Kraljice Marije 16, 11000, Belgrade, Serbia;

**Prof. Dr Mirko Vujosevic,**

University of Belgrade, Faculty of Organizational Science, Jove Ilica 154, 11000 Belgrade, Serbia;

**Prof. Dr Nebojsa Bojovic,**

University of Belgrade, Faculty of Traffic and Transportation, Vojvode Stepe 305, 11000 Belgrade, Serbia;

**Dr Nebojsa Kovacevic,**

Geotechnical Consulting Group, 52A Cromwell Rd, Kensington, London SW7 5BE, United Kingdom;

**Prof. Dr Nenad Djajic, retired**

University of Belgrade, Faculty of Mining and Geology, Djusina 7, 11000 Belgrade, Serbia;

**Prof. Dr Nenad Zrnica,**

University of Belgrade, Faculty of Mechanical Engineering, Kraljice Marije 16, 11000, Belgrade, Serbia;

**Prof. Dr Radivoje Mitrovic,**

University of Belgrade, Faculty of Mechanical Engineering, Kraljice Marije 16, 11000, Belgrade, Serbia;

**Prof. Dr Robert Bjekovic,**

University of Applied Sciences Ravensburg-Weingarten, Doggenriedstraße, 88250 Weingarten, Germany;

**MSc Sinisa Vidovic,**

Energy Testing and Balance, 2306 Ranch Rd 620 N, Austin, TX 78734, USA;

**Prof. Dr Srdjan Bosnjak,**

University of Belgrade, Faculty of Mechanical Engineering, Kraljice Marije 16, 11000, Belgrade, Serbia;

**Prof. Dr Vesna Spasojevic Brkic,**

University of Belgrade, Faculty of Mechanical Engineering, Kraljice Marije 16, 11000, Belgrade, Serbia;

**Prof. Dr Vladimir Popovic,**

University of Belgrade, Faculty of Mechanical Engineering, Kraljice Marije 16, 11000, Belgrade, Serbia;

**Prof. Dr Vukan Vucic,**

University of Pennsylvania, Philadelphia, PA19104, USA;

**Prof. Dr Zdravko Milovanovic,**

University of Banja Luka, Faculty of Mechanical Engineering, Bulevar vojvode Stepe Stepanovića 71, Banja Luka 78000, Bosnia and Herzegovina;

**Prof. Dr Zeljko Kamberovic,**

University of Belgrade, Faculty of Technology and Metallurgy, Karnegijeva 4, 11120 Belgrade, Serbia;

**TECHNICAL EDITOR**

**MSc Darko Stanojevic,** University of Belgrade, Faculty of Mechanical Engineering,  
Kraljice Marije 16, 11000 Belgrade, Serbia  
Contact email address: dstanojevic@iipp.rs

**EDITORIAL OFFICE**

MSc Milica Obrenović, Institute for research and development in industry, Belgrade, Serbia  
BSc Marko Dangubic, Institute for research and development in industry, Belgrade, Serbia  
BSc Danilo Tvrdiscic, Institute for research and development in industry, Belgrade, Serbia  
BSc Dejan Jolovic, Institute for research and development in industry, Belgrade, Serbia

**Publisher:** Institute for research and design in industry, Belgrade, Serbia

**Co-publishers:**

University of Belgrade, Faculty of Mechanical Engineering, Serbia  
University of Belgrade, Faculty of Transport and Traffic Engineering, Serbia

[home](#)   [editorial policy](#)   [editorial board](#)   [browse issues](#)   [instructions for authors](#)   [submit an article](#)

Engineering science © Copyright iipp 2016.

iipp publishing

# Journal of Applied Engineering Science

---

## VOLUME 17 NUMBER 2

HOME

EDITORIAL POLICY

EDITORIAL BOARD

BROWSE ISSUES

INSTRUCTIONS FOR  
AUTHORS

SUBMIT AN ARTICLE

CONTACT

www.engineering-science.rs

Research *Naučno-stručni časopis*

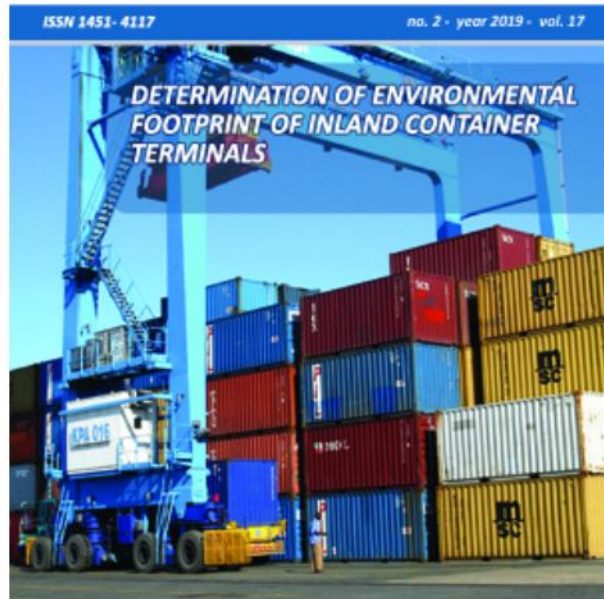
Development **ISTRAŽIVANJA I PROJEKTOVANJA**

Manufacturing **ZA PRIVREDU**

Operations **Journal of**

Maintenance **APPLIED ENGINEERING SCIENCE**

Management



Scopus®

ULRICHSWEB™  
GLOBAL SERIALS DIRECTORY

OPEN ACCESS

KoBSON

SCINDEKS  
Srpski citatni indeks

DOAJ  
DIRECTORY  
OF OPEN ACCESS

Viktor Shebashev, Yury Andrianov\*, Lyudmila Nizova, Ekaterina Andreeva - 10.5937/jaes17-20734

ENGINEERS AS AN OBJECT AND SUBJECT OF THE  
DEVELOPMENT OF INNOVATIVE ENTREPRENEURSHIP  
AT THE MESOECONOMIC LEVEL

Yemelyanov Sergey Gennadyevich, Ekaterina Gennadijevna Pakhomova, Ksenia Olegovna Dubrakova\* -  
10.5937/jaes17-21685

RELIABILITY OF RC FRAME-BRACED SYSTEMS IN  
DANGEROUS GEOLOGICAL CONDITIONS

Ahmad Fauzan Zakki\*, Suharto Suharto, Dong Myung Bae, Aulia Windyandari - 10.5937/jaes17-19636

PERFORMANCE ON THE DROP IMPACT TEST OF THE  
CONE CAPSULE SHAPED PORTABLE TSUNAMI LIFEBOAT  
USING PENALTY METHOD CONTACT ANALYSIS

Vladimir Bredikhin\*, N.E. Ovchinnikova, O.P. Ovchinnikova, Tatiana Kolmykova - 10.5937/jaes17-21843

PROBLEMS AND PROSPECTS OF UNIVERSITY-INDUSTRY  
INTERACTION

[home](#)   [editorial policy](#)   [editorial board](#)   [browse issues](#)   [instructions for authors](#)   [submit an article](#)

Engineering science © Copyright iipp 2016.