

e-ISSN 2655-8068

JURNAL KARYA PENGABDIAN



J.K P. (Jurnal Karya Pengabdian) Volume 1 No 2, April 2019

e-ISSN 2655-8068 (online)

Journal Homepage: <http://Jkp.unram.ac.id>

Alamat Redaksi :

Jurusan Teknik Mesin Fakultas Teknik

Universitas Mataram

Jln Majapahit No 62 Mataram

Telp (0361) 636087

JURNAL KARYA PENGABDIAN TEKNIK MESIN

Diterbitkan oleh Jurusan Teknik Mesin Fakultas Teknik Universitas Mataram dengan frekuensi tebit dua kali dalam setahun yaitu pada bulan April dan bulan Oktober

Alamat Redaksi : Jurusan Teknik Mesin Fakultas Teknik

Universitas Mataram Jln Majapahit No 62 Mataram Telp (0361) 636087, 636126,

Journal Homepage: <http://jkp.unram.ac.id/index.php/JKP>,

WA: 081339539433

PENGELOLA JKP

Penanggung Jawab : Rektor Universitas Mataram

Pelindung : Dekan Fakultas Teknik Universitas Mataram

Pengarah : Ketua Jurusan Teknik Mesin Fakultas Teknik Universitas Mataram

Editor

Ketua : I Wayan Joniarta. (Universitas Mataram)

Anggota

1. Rudy Sutanto (Universitas Mataram)
2. Ida Bagus Alit (Universitas Mataram)
3. Nasmi Herlinasari (Universitas Mataram)
4. I Made Adi Sayoga (Universitas Mataram)
5. Edi Kurniadi (UNS Surakarta)
6. I Ketut Sardiana (UNUD Denpasar)
7. M. Mirmanto (Universitas Mataram)

Reviewer

1. Sundani Nuroso Soewandi (ITB Bandung)
2. Sugiman (Universitas Mataram)
3. I Ketut Widnyana (Unmas Denpasar Bali)
4. I Made Sudantha (Universitas Mataram)
5. Yusuf Rumbino (Universitas Nusa Cendana)
6. A.A.Alit Triadi (Universitas Mataram)

Pelaksana teknis : Anita Wulansari

Jurnal Karya Pengabdian Teknik Mesin merupakan jurnal yang berisi artikel sebagai media komunikasi dan sharing informasi untuk kegiatan yang terkait dengan Pelatihan dan penyuluhan, Transfer Ipteks, Up-Grade Teknologi, Inkubator Kewirausahaan, Pemberdayaan Masyarakat . Artikel yang diterima adalah yang sudah disesuaikan dengan Template dan belum pernah diterbitkan atau tidak sedang direview di jurnal yang lain.

**JURNAL KARYA PENGABDIAN
TEKNIK MESIN**

DAFTAR ISI

No	Judul, Penulis	Halaman
1	Pemanfaatan Energi Alternatif untuk Keperluan Rumah Tangga Menuju Mandiri Energi. M. Mirmanto*, Y.A. Padang, P. Pandiatmi, S. Syahrul, S. Sinarep	40 - 48
2	Upaya Diversifikasi Produk Olahan Rumput Laut Pasca Panen di Dusun Serewe, Kec. Jerowaru, Kab. Lombok Timur, NTB. S. Salman*, A.A. Triadi, E.D. Sulistyowati, A. Zainuri, Y.A. Padang	49 - 56
3	Penerapan Mesin Penyuling Pada Pengusaha Kayu. A.D. Catur*, Sugiman, N.H. Sari, R. Sutanto, I.K. Wiratama	57 - 64
4	Pengering <i>Hybrid</i> Dodol Nangka., R. Sutanto*, A. Mulyanto, Nurchayati, A.D. Catur, M. Wirawan	65 - 70
5	Penyuluhan Tentang Pengelolaan Sampah Di SMAN 1 Kota Bima I. M. Suartika*), I. M. Mara, H. S. Tira, I.K. Wiratama, M. Wijana	71 - 74
6	Catu Daya Listrik Mandiri Bertenaga Batere Untuk Suplai Tenaga Listrik Di Desa Gili Gede Indah I.B.F. Citarsa*, I.N.W Satiawan, dan Supriono	75 - 83
7	Disain Meja Ergonomis Mesin Poles untuk Perajin Perak di Desa Ungga, Kecamatan Praya Barat Daya, Kabupaten Lombok Tengah. I M. Adi Sayoga*, Mirmanto, . I G. Bawa Susana, I. M. Mara, I. W. Joniarta	84 - 90
8	Pemanfaatan Energy Baru Terbarukan di SMAN 1 Taliwang A.Mulyanto*, Nurchayati, N.H. Sari, A. Zainuri	91 - 98

PRAKATA

Jurnal Karya Pengabdian merupakan publikasi khusus pengabdian masyarakat yang di gagas Jurusan Teknik Mesin untuk mewadahi hasil-hasil kegiatan Pengabdian kepada Masyarakat yang dilakukan dosen-dosen di Fakultas Teknik dan Fakultas lain dilingkungan Universitas Mataram, dan universitas lain kawasan regional maupun nasional yang bisa diakses secara OJS melalui url : [www://JKP.unram.ac.id](http://JKP.unram.ac.id) (Journal Homepage: <http://jkp.unram.ac.id/index.php/JKP>)

Jurnal ini terbit dua kali dalam setahun yaitu bulan April dan Bulan Oktober secara On Line

Dewan Redaksi sangat berharap artikel yang dimuat dalam jurnal ini dapat memberi tambahan referensi yang bermanfaat untuk kemajuan kegiatan pengabdian kepada masyarakat yang berbasis hasil-hasil penelitian .

TTD

Chief Editor

Author Guidelines

Jurnal Karya Pengabdian is a periodical scientific research in the field of Mechanical Engineering. We accept manuscript in critical literature review as well as original article. *Jurnal karya Pengabdian* published twice a year, i.e., April and Oktober edition.

General guidelines:

1. The manuscript must be original, no plagiarism, and has never been published nor under consideration in other scientific journal.
2. Articles are written by a program Microsoft Word 2007 to the top, A4 size paper, page margins: top 2.5 cm, left 3 cm, bottom 2.5 cm, and right 2.5 cm, typed with 1,0 spacing, font Times New Roman 12, text format in one column.
3. Please submit your manuscript file as a **Microsoft Word** extension Document (**DOC**) or Rich Text Format (**RTF**).
4. Abstract should be written in Bahasa and English, content of the manuscript can be written in Indonesian or English.
5. For submission, please login and submit your manuscript through the link below: **Online Submission: <http://jkip.unram.ac.id/index.php/jkip/login/signIn>**
6. For April issue, we accept submission from September to February, and editing and revision process is scheduled in Maret. For Oktober issue is from April to September. Editing and revision process is scheduled in Oktober.
7. The manuscript can be accepted without repair, refurbishment accepted, or rejected, and a rejected article is not returned unless requested by the author.

Manuscript Structure:

1. The length of the manuscript of is no more than 5000 words or about 6-10 pages.
2. Articles are written by systematic and the following provisions.
3. Title (**in Bahasa or English**): written in a concise and informative, maximum 16 words (single-spaced) should reflect the substance of the variables described in the article body.
4. Name of Author: without titles, the author can be an individual or a team.
5. Affiliation: name of the institution
6. E-mail Address, which is located under the author's name.
7. Abstract should be written **in Bahasa Indonesia and English** containing 100-200 words, in a single-spaced and one paragraph.
8. Abstract of a review article consists of a discussion of the core issues and substantially, while for an original article consists of goals, methods, and results.
9. Keywords: terms that reflect the essence of the concept within the scope of the problem may consist of 3-5 terms.

Body of manuscript:

1. **Original Article** consists of an **INTRODUCTION, METHODS, RESULTS AND DISCUSSION** and **CONCLUSIONS**.
2. **Review Article** consists of an **INTRODUCTION** (preliminary scientific study) that shows the problems and framework of analysis, sub-subtitle that contains the **DISCUSSION** and **CONCLUSIONS**.

Reference styles:

1. Scientific Journal:

Cary, A. M., Weinstein, L. M. & Bushnell, D. M., 2008, "Drag Reduction Characteristics of Small Amplitude Rigid Surface Waves", *Progress in Astronautics and Aeronautics*, (Ed.: G. R. Haugh), Vol. 72, 143-167.

Mochizuki, S. & Osaka, H., 2010, "Drag Reduction with Submerged Ribs and its Mechanism in a Turbulent Boundary Layer Over D-Type Roughness", *Proc. Int. Symp. on Seawater Drag Reduction*, Newport, Rhode Island, 22-23 Juli, 11-16.

2. Thesis and Dissertation:

Yuli, T. S., 2003, "Studi Eksperimen Identifikasi Kavitasi pada Elbow 0° Berdasarkan Spektrum Getaran", *Tugas Akhir Teknik Mesin*, ITS, Surabaya.

3. Book:

Ary, D., Jacobs, L. C. & Razavieh, A., 2006, *Pengantar Penelitian Pendidikan*. Terjemahan oleh Arief Furchan, 2009, Gramedia, Surabaya.

White, F. M., 2004, *Fluid Mechanics*, 3rd edition, McGraw-Hill, Inc., New York.

4. Internet resources:

Rahmeyer, W. J., & Chain, F., 2015, "Calibration and Verification of Cavitation Testing Facilities using an Orifice", available at: www.engineering.edu, diakses 21 Mei 2015.

Download the [Template](#)

Submission Preparation Checklist

As part of the submission process, authors are required to check off their submission's compliance with all of the following items, and submissions may be returned to authors that do not adhere to these guidelines.

1. The submission has not been previously published, nor is it before another journal for consideration (or an explanation has been provided in Comments to the Editor).
2. The submission file is in OpenOffice, Microsoft Word, RTF, or WordPerfect document file format.
3. Where available, URLs for the references have been provided.
4. The text is single-spaced; uses a 12-point font; employs italics, rather than underlining (except with URL addresses); and all illustrations, figures, and tables are placed within the text at the appropriate points, rather than at the end.
5. The text adheres to the stylistic and bibliographic requirements outlined in the [Author Guidelines](#), which is found in About the Journal.
6. If submitting to a peer-reviewed section of the journal, the instructions in [Ensuring a Blind Review](#) have been followed.

JURNAL KARYA PENGABDIAN

J.K.P. (Jurnal Karya Pengabdian) Volume 1 No 2, April 2019

e-ISSN 2655-8068 (online)

Journal Homepage: <http://Jkp.unram.ac.id>

Alamat Redaksi :

Jurusan Teknik Mesin Fakultas Teknik

Universitas Mataram

Jln Majapahit No 62 Mataram

Telp (0361) 636087

