

JURNAL KARYA PENGABDIAN



J.K P. (Jurnal Karya Pengabdian) Vol.1 No.1, Oktober 2018

ISSN (print) , ISSN (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

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. A.A.Alit Triadi (Universitas Mataram)
6. Edi Kurniadi (UNS Surakarta)
7. I Ketut Sardiana (UNUD Denpasar)

Reviewer

1. M. Mirmanto (Universitas Mataram)
2. Sundani Nurono Soewandi (ITB Bandung)
3. Sugiman (Universitas Mataram)
4. I Ketut Widnyana (Unmas Denpasar Bali)
5. I Made Sudantha (Universitas Mataram)

Pelaksana teknis
Anita Wulansari

DAFTAR ISI

No	Judul, Penulis	Halaman
1	Pembuatan Pompa Hydram Sederhana Di Dusun Lempeng Desa Sintung Kecamatan Pringgarata Kabupaten Loteng, Rudy Sutanto, Made Wirawan, Arif Mulyanto , Ida Bagus Alit, Agus Dwi Catur	1 - 5
2	Papan Komposit Pengganti Papan Konvensional Untuk Meubel, Salman, I Made Adi Sayoga	6-14
3	Peningkatan Keterampilan Dan Kewirausahaan Pemuda Putus Sekolah Melalui Pelatihan Pengelasan Sebagai Usaha Meningkatkan Kesejahteraan Masyarakat , I Made Mara, Sinarep, IGNK Yudhyadi	15- 20
4	Pengenalan Konversi Energi Dan Energi Alternatif Di SMAN 1 Aikmel Lombok Timur. Alit Triadi , Nur kaliwantoro , Salman , Made Nuarsa , IB Alit	21-28
5	Pengenalan Pemanfaatan Energi Alternatif Untuk Program Hemat Energi Di SMAN 1 Jonggat Lombok Tengah, Made Wijana , I Wayan Joniarta , IGAK Chatur Adhi WA, I Made Adi Sayoga , I Dewa Ketut Okariawan	29-34
6	Penyuluhan Pemanfaatan Sampah Organik Menjadi Sumber Energi Dan Bahan Berguna. Sugiman, Paryanto Dwi Setyawan, Nurpatricia, Tri Rachmanto	35-39

PRAKATA

Jurnal Karya Pengabdian merupakan publikasi yang di gagas Jurusan Teknik Mesin untuk mewadahi hasil-hasil kegiatan Pengabdian kepa Masyarakat yang dilakukan dosen-dosen di Fakultas Teknik dan Fakultas lain dilingkungan Universitas Mataram, serta diarahkan untuk secara nasional dan Internasional yang bisa diakses secara OJS melalui www://JKP.unram.ac.id

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

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 1,5 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://jkp.unram.ac.id/index.php/jkp/login/signIn>**
6. For April issue, we accept submission from Nopember to Maret, and editing and revision process is scheduled in April. 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:

- [1] 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.
- [2] 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:

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

3. Book:

- [4] Ary, D., Jacobs, L. C. & Razavieh, A., 2006, *Pengantar Penelitian Pendidikan*. Terjemahan oleh Arief Furchan, 2009, Gramedia, Surabaya.
- [5] White, F. M., 2004, *Fluid Mechanics*, 3rd edition, McGraw-Hill, Inc., New York.

4. Internet resources:

- [6] 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) Vol.1 No.1, Oktober 2018

e-ISSN 977-2655-8068-009 (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