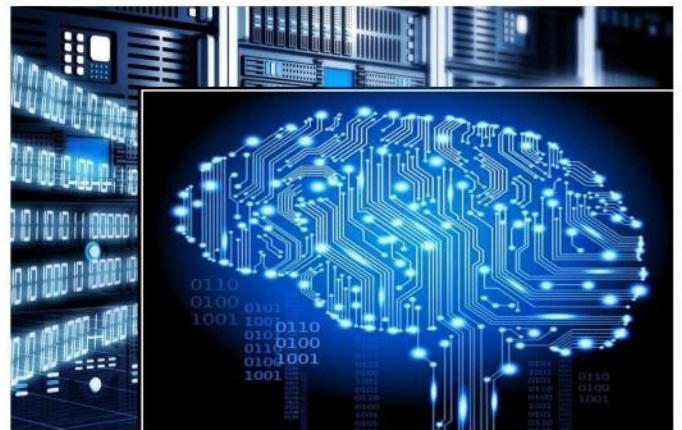
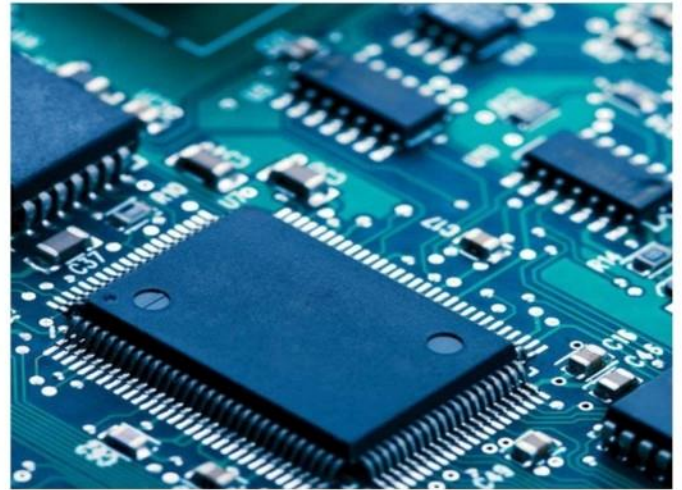
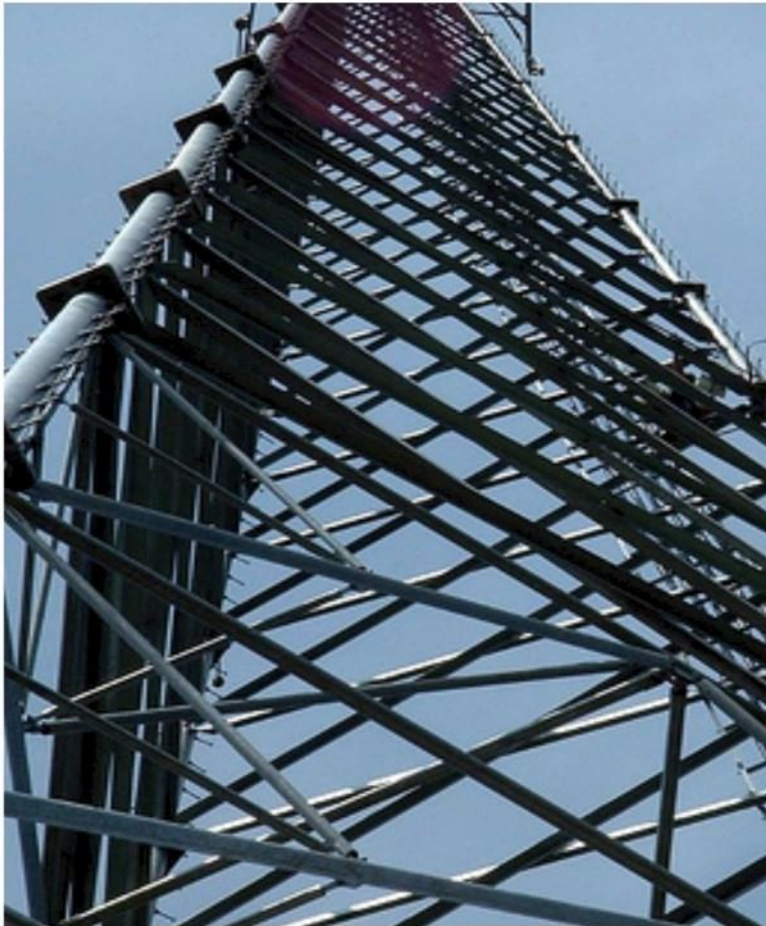


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Volume 14, Number 4, November 2022



Lembaga Penelitian dan Pengabdian Masyarakat
Institut Teknologi Telkom Purwokerto



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Jurnal INFOTEL is a scientific journal published by Lembaga Penelitian dan Pengabdian Masyarakat (LPPM) of Institut Teknologi Telkom Purwokerto, Indonesia. It was firstly published in 2009 for a printed version and for online version in 2012. The aims of Jurnal INFOTEL are to disseminate research results and to improve the productivity of scientific publications. Jurnal INFOTEL is published quarterly in February, May, August, and November. **Starting in 2018, Jurnal INFOTEL uses English as the primary language.**

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Mailing Address

Jurnal INFOTEL office:
Lembaga Penelitian dan Pengabdian Masyarakat (LPPM) Institut Teknologi Telkom Purwokerto (IT Telkom Purwokerto)
D.I Panjaitan Street No. 128 Purwokerto, Indonesia
Telp. 0281-641629
Email: infotel@st3telkom.ac.id
Website:
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PREFACE FROM EDITOR-IN-CHIEF

Jurnal INFOTEL is a scientific journal published by Lembaga Penelitian dan Pengabdian Masyarakat (LPPM) of Institut Teknologi Telkom Purwokerto, Indonesia. It covers the field of Informatics, Telecommunications, and Electronics. The aims of Jurnal INFOTEL are to disseminate research results and to improve the productivity of scientific publications. Starting in Volume 10 Number 1, 2018, Jurnal INFOTEL uses English as the primary language.

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In this issue, 15 papers are published by 43 authors from 5 countries. Four papers related to Informatics topics, seven papers related to Telecommunication topics, and four papers is about Electronics topic.

We would like to thank our Associate Editors, Editorial Boards, Reviewers, and Authors. We hope that Jurnal INFOTEL can contribute to the progress of scientific publications in Indonesia and in the world.

Purwokerto, November 2022

Editor-in-Chief

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