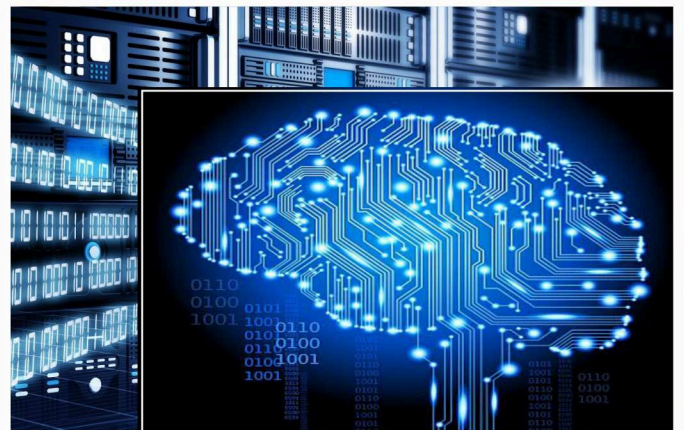
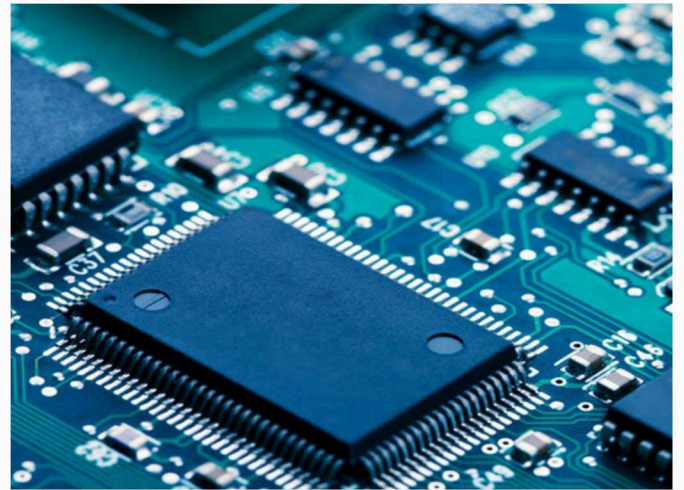
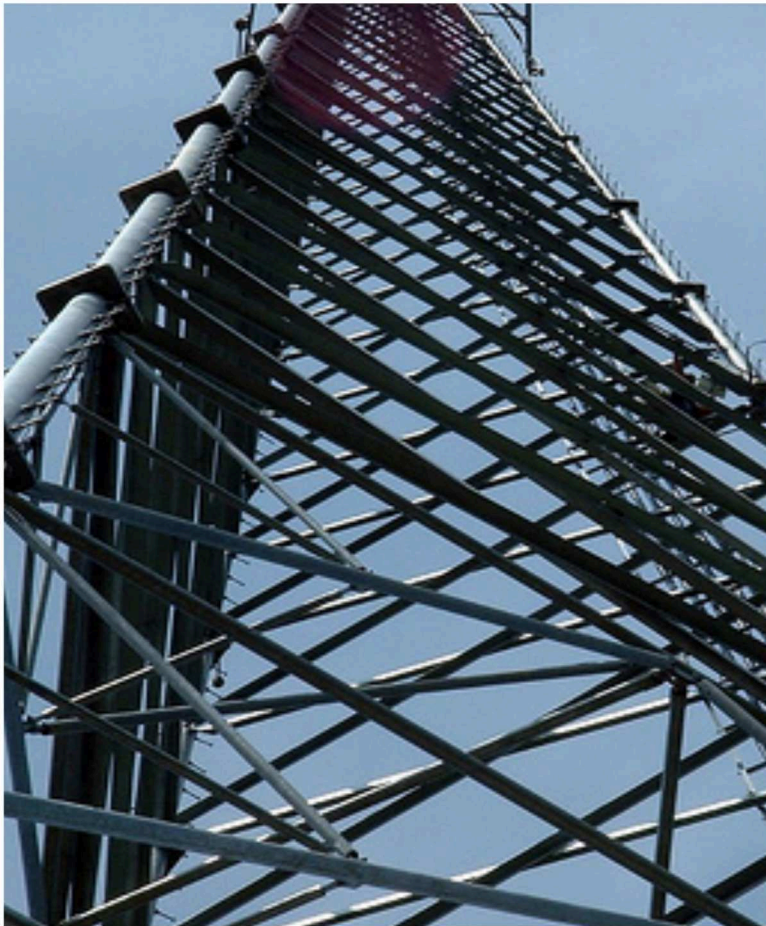


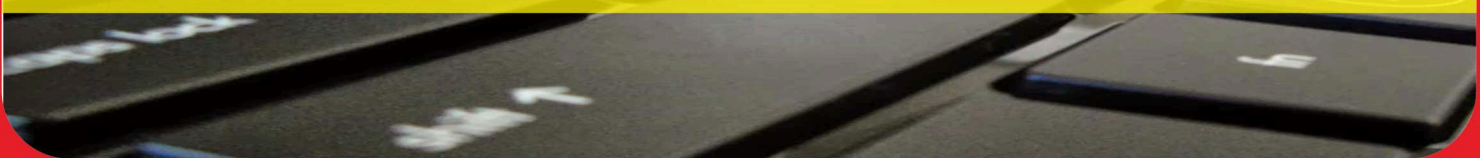
# JURNAL INFOTEL

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Volume 12, Number 04 November 2020



Lembaga Penelitian dan Pengabdian Masyarakat  
Institut Teknologi Telkom Purwokerto



**JURNAL INFOTEL**  
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**DESCRIPTION AND POLICY**

**About Jurnal INFOTEL**

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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**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, six papers are published by 10 authors from 7 institutions in Indonesia. Three papers related to Informatics topics. Two papers related to Telecommunication topics. One paper 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 2020

Editor-in-Chief

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