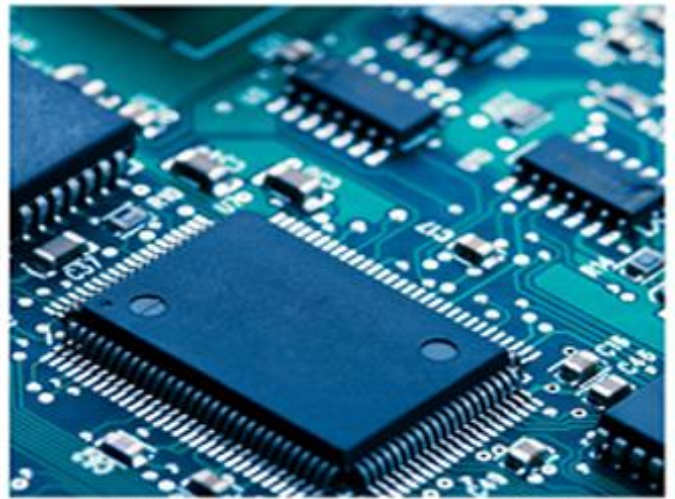
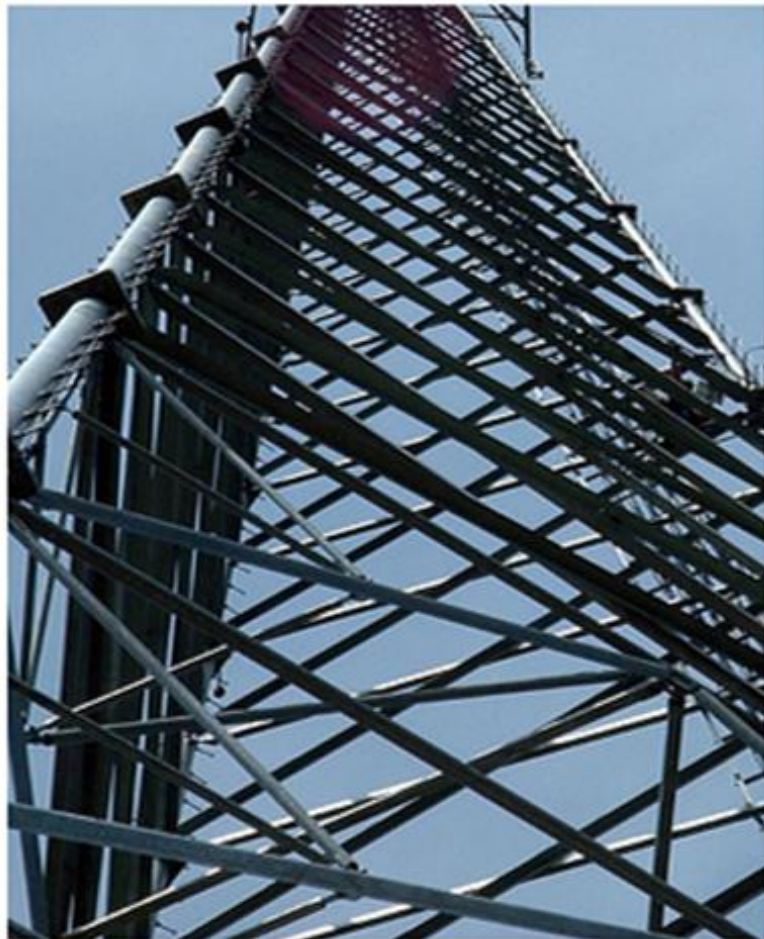


# JURNAL INFOTEL

INFORMATICS TELECOMMUNICATION ELECTRONICS

Volume 10, Number 1 February 2018



Lembaga Penelitian dan Pengabdian Masyarakat  
Institut Teknologi Telkom Purwokerto



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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, seven papers are published by 18 authors from 4 institutions in Indonesia. Three papers related to telecommunications topics. Three papers related to informatics topics. One paper is about Electronics topics.

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, February 2018

Editor-in-Chief

**JURNAL INFOTEL**  
**Informatics, Telecommunication, and Electronics**  
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