

Editors' Introduction

WELCOME to the inaugural issue of the *Internetworking Indonesia Journal* (IJ). It has been a year-long effort to get the journal off the ground, and we are tremendously pleased that we have reached this important milestone.

The original conception for the IJ was rooted in a question posed by a colleague concerning the flagship Indonesian journal on computer science. This academic person was interested in learning more about work being done by researchers in Indonesia in the field of Information and Communications Technology (ICT), and about the Internet infrastructure development in Indonesia. This simple question led to the realization of the lack of an Indonesia-wide professional journal in the area of ICT, which includes the development of the Internet and its infrastructure in Indonesia.

Currently in Indonesia there are a number of small journals in the area of ICT that are university-related or university-sponsored. Many of these have as their sole purpose the task of reporting research work within their university or institution, and as such do not typically accept papers from other institutions. Additionally, many of these journals do not publish on a stable regular basis. Among those academics who are able to author papers, many feel compelled to publish in their own university journals for career development reasons.

There is therefore a gap that needs to be addressed: on one hand there are very few authors and academics from Indonesia who publish in ICT journals overseas, yet on the other hand there are multiple university-sponsored journals that are narrow in its scope and which often do not have a sufficient number of papers to appear on a regular basis.

The IJ hopes to fill this gap, and in doing so become the Indonesian flagship publication for the field of ICT and Internet development in Indonesia, with accessibility to readers worldwide through electronic publication.

The IJ has a number of broad aims:

- Provide an Indonesia-wide independent journal on ICT and Internet development in Indonesia. The IJ is not sponsored by or tied to any university or institution, and is open to receiving papers from Indonesian and international authors.
- Provide a publishing avenue for graduate students in the broad field of ICT and Internet development, both for students from Indonesia and abroad.
- Provide access to academics and professionals overseas

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through the establishment of an *Editorial Advisory Board* (EAB) with an international membership. The composition of the EAB has intentionally been that of professionals from the ICT industry and academics from various organizations around the world.

- Promote the culture of writing and excellent authorship for students, academics and professionals in Indonesia. The editors and EAB members of the IJ understand that the habit of writing scientific papers needs to be encouraged at a very early age in a student's life. As such the IJ is very supportive and helpful of papers authored by Masters (S2 level) and PhD (S3 level) students in Indonesia, albeit their writing quality often being not on-par with their peer-students from universities abroad. The IJ decided to be bilingual in its publication of papers to support this aim, thereby broadening the scope of its readership in Indonesia.

This inaugural issue of the *Internetworking Indonesia Journal* carries five papers. Two of these papers were developed from related research papers presented at the *Wireless and Optical Communications Networks* (WOCN) 2008 conference in Surabaya. The third paper was developed from a conference paper presented at the *iiWAS2008 (Information Integration and Web-Based Applications and Services)* conference. The fourth paper written in Bahasa Indonesia reports some research results on WAN performance found within the BKKP institution in Indonesia. The fifth and last paper discusses issues relating to implementing public-key cryptosystems in hardware and software.

It is worthwhile to note that three of the papers in this inaugural issue are in fact written by graduate students, which to a significant degree fulfils one of the core aims of the journal. We also note that one of the papers is written in Bahasa Indonesia, which again goes to support one of the aims of the journal.

We hope this inaugural issue of the *Internetworking Indonesia Journal* can be the starting point of a successful journal that can one day become the flagship journal for the area of ICT and Internet development in Indonesia.

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