Editors' Introduction

WELCOME to the Spring 2012 issue of the Internetworking Indonesia Journal. This issue sees a number of positive developments in the Internetworking Indonesia Journal.

One of the most significant developments in 2012 is the introduction of a second stream (or series) of the IIJ focusing broadly on ICT and society. As such, going forward the existing IIJ journal will be denoted as *Series B* and will focus on the broad areas of Computing, Communications, Engineering & Internet Technologies. The new second series (denoted as *Series A*) will focus on the broad field of Community Informatics & Society.

Together with this development is the introduction of an additional co-editor for IIJ *Series B*, namely Dr Henri Uranus from the Universitas Pelita Harapan (UPH), in Jakarta, Indonesia. The IIJ welcomes his strong leadership and vision.

This regular issue of the journal brings four (4) papers from differing areas of technology. The first paper concerns the use of artificial neural networks to predict the shelf life of processed cheese. Solving this problem is relevant to the dairy industry in India, as the authors are from National Dairy Research Institute, in Karnal, India.

The second paper addresses e-commerce developments in Indonesia, notably among small, medium and micro Enterprises (SMMEs). The paper seeks to discover the barriers to the adoption of e-commerce among SMEEs in Indonesia, paying particular attention to the non-oil-and-gas processing sector and part of the services sector.

Character recognition is the topic of the third paper. The paper reports on work being done to use open-source Android software on a mobile device to recognize vehicle plate-numbers. The approach is based on the use of artificial neural networks with back-propagation, where training of the neural network is carried out in a desktop computer instead of mobile device to speed up the training. The work has promise to become the basis for low-cost plate number recognition usable for the government sector.

The fourth paper reports on the early development of a low-cost Computer Numerical Control (CNC) machine. Such a machine would be attractive to many small businesses in Indonesia, which so far have had to rely on imported machines. The resulting "home-made" CNC machine allows three different kinds of tools to be manually interchanged.

Thomas Hardjono
Budi Rahardjo
Henri Uranus
Kuncoro Wastuwibowo

The editors can be reached individually at the following email addresses. Thomas Hardjono is at hardjono@mit.edu, Budi Rahardjo is at rahard@paume.itb.ac.id, Henri Uranus is at henri.uranus@uph.edu, while Kuncoro Wastuwibowo is at kwast@telkom.co.id.