KATA PENGANTAR

Puji syukur Kami panjatkan kepada Tuhan Yang Maha Esa atas berkah dan petunjuk-Nya sehingga “Seminar Nasional Tahunan Teknik Mesin ke-XIV” dapat terlaksana dengan baik.

Seminar ini merupakan rangkaian kegiatan tahunan BKSTM Indonesia, yang kali ini Program Studi Teknik Mesin Universitas Lambung Mangkurat mendapat kepercayaan sebagai tuan rumah penyelenggara.

Dari terlaksananya seminar ini, diharapkan adanya kerjasama yang baik antar Program Studi Teknik Mesin seluruh Indonesia dalam pengembangan ilmu pengetahuan dan teknologi, dalam rangka menghadapi Asean Economic Community 2015.

Pada kesempatan ini Kami menyampaikan penghargaan setinggi-tingginya kepada BKSTM Indonesia, Pimpinan Universitas dan Fakultas Teknik Universitas Lambung Mangkurat, keynote speaker, tim reviewer, sponsor, pemakalah, serta segenap panitia yang telah berpartisipasi atas terselenggaranya acara ini.

Tidak lupa Kami selaku panitia pelaksana memohon maaf seandainya dalam penyelenggaraan acara ini ada kekurangan dan ketidaksempurnaan.

Akhir kata Kami ucapkan selamat berseminar, semoga kegiatan kita ini bermanfaat bagi kita semua.

Banjarmasin, Oktober 2015

Panitia Pelaksana
SAMBUTAN WAKIL REKTOR IV UNLAM

Bismillahirrohmanirrohim

Assalamualaikum Wr. Wb.

Ladies and Gentleman

First of all, let’s we thanks to Allah who has given us blessing till we can meet in this seminar. We don’t forget to send our messenger to our prophet Muhammad SAW. He has brought the human from darkness to the lightness.

Executive Board of Lambung Mangkurat University strongly supports the implementation of national and international seminars on the theme “Challenges and Applications of Mechanical Engineering Science for ASEAN Economic Community in 2015”. I hope this seminar can advise how courses prepare your mechanical engineering graduates become professionals in the field of mechanical engineering and able to compete at the international level labor market.

More than a decade ago, ASEAN leaders agreed to establish a single market in Southeast Asia in late 2015. The establishment of a single market which is termed the ASEAN Economic Community (AEC). This will allow the country to sell goods and services easily into other countries across Southeast Asia so the competition will be intense.

ASEAN Economic Community is not only open the flow of goods or services, but also the labor market professionals. MEA will be more opportunities for foreign workers to fill a variety of positions and professions in Indonesia were closed or minimal foreign power. That is a challenge for Unlam, especially Mechanical Engineering Study Program to prepare students to be a professional and competitive national and international labor market.

A number of leaders of professional associations admitted quite optimistic that the skilled manpower in Indonesia is quite competitive. We do not want the local workforce are actually qualified and capable, but because there are foreign workers be displaced.

Recent research from the World Labor Organization or ILO mentions the opening of labor markets to bring great benefits. Besides being able to create millions of new jobs, these schemes can also improve the welfare of 600 million people living in Southeast Asia.

In 2015, the ILO specifies that the demand for professional workforce will increase by 41% or about 14 million. While the demand for labor middle class will be up 22% or 38 million, while the labor force increased by 24% a low level, or 12 million. But the report predicts that many companies will find less skilled employees or even false job placement because of a lack of training and professional education.

As human being, I relieve that I can’t avoid the mistakes, so I apologize to you all. I don’t forget to say thanks so much for your nice attention.

Vice Rector IV.
for Planning, Partnership, and Public Relation
Lambung Mangkurat University

Prof. Dr. Ir. H. Yudi Firmanul Arifin, M.Sc.
NIP 19670716 199203 1 002
Assalamualaikum, Wr. Wb.

Dear Distinguished Guest, Ladies and gentlemen,

It gives me great pleasure to welcome all the speakers, participants and distinguished guests to The 1st ICMMME and SNTTM-XIV Banjarmasin. I trust that you will find the conference informative and interesting, and hope that numerous scientific discussions will be deliberated and friendship will bloom as well.

We are very honored to be the host for national and international seminars, That is organized under collaboration between Department of Mechanical Engineering, Lambung Mangkurat University and BKS-TM Indonesia.

I would like to take the opportunity to express my sincere appreciation and gratitude to the organizers of national and international seminars for their commendable effort in organizing and conducting the conference, and also speakers as well as participants for their distinctive role in making this seminar a success.

It is quite fascinating to learn that our colleagues from different universities have similar interests and dedication. We appreciate every effort that has been put down by each of us, with impudence expectation that we could share our knowledge in Mechanical Engineering technology.

Finally, I would like to convey our gratitude to all participants, distinguished guests and presenters that make this seminar a success. Have a nice and pleasant seminar.

Thank you.

Wassalamualaikum, Wr. Wb.
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