UNIVERSITAS MUHAMMADIYAH SURAKARTA
FAKULTAS FARMASI
Terakreditasi "A" SK. BAN. PT. No. : 029/BAN-PT/Ak-XI/S1/XI/2008
Jl. A. Yani Tromol Pos 1 Pabelan, Kartasura Telp. (0271) 717417 – 719483 Fax. 715448 Surakarta 57102
e-mail : farmasi – ums.ac.id

Surat Tugas

Nomor : 394/FF/A.3-II/V/2011

Assalamu'alaikum Wr. Wb.

Yang bertanda tangan di bawah ini Dekan Fakultas Farmasi Universitas Muhammadiyah Surakarta menugaskan kepada :

Nama : Dr. Muhtadi, M.Si.
NIP / NIK : 7 6 1
Pangkat/Gol : Penata Tk. I / IIId
Jabatan : Lektor Kepala
Unit kerja : Fakultas Farmasi UMS

Sebagai pemakalah dalam acara Globalisasi Jamu Brand Indonesia dengan tema "ANTIHYPERURICEMIA PRECLINICAL TESTING AND STANDARDIZED EXTRACTS OF SALAM (*Syzigium polyanthum* Walp.) AND BELIMBING WULUH (*Averrhoa bilimbi* Linn.) LEAVES" pada tanggal 26-27 Mei 2011 di IPB Bogor.

Demikian surat tugas ini di buat untuk dapat dilaksanakan sebagaimana mestinya.

Wassalamu 'alaikum Wr.Wb.

Surakarta, 24 Mei 2011

Yang diberi tugas,

Dr. Muhtadi, M.Si

Dekan,

Dr. Muhammad Da'i, M.Si., Apt

Telah dilaksanakan sebagaimana mestinya

Mengetahui,

.....

ANTIHYPERURICEMIA PRECLINICAL TESTING AND STANDARDIZED EXTRACTS OF SALAM (*Syzigium polyanthum* Walp.) AND BELIMBING WULUH (*Averrhoa bilimbi* Linn.) LEAVES

Muhtadi[1)], Andi Suhendi[1)], Nurcahyanti W.[2)], and EM. Sutrisna[2)]

[1)] Pharmaceutical Chemistry, Faculty of Pharmacy, Muhammadiyah University of Surakarta, Jalan A. Yani Tromol I Pabelan Kartasura Post, Surakarta 57102, Indonesia; Email: pmuhtadi@gmail.com

[2)] Pharmaceutical Biology, Faculty of Pharmacy, Muhammadiyah University of Surakarta, Jalan A. Yani Tromol I Pabelan Kartasura Post, Surakarta 57102, Indonesia

ABSTRACT

Antihiyperuricemia activity testing had been carried out *in vivo* from a single and combination of extracts from Salam (*Syzigium polyanthum* Walp) and Belimbing wuluh (*Averrhoa bilimbi* L.). Dried extracts of each herbs had been done antihiyperuricemia preclinical testing in vivo on male white mice Balb-C strain induced by potassium oxonic dose of 250 mg/kg. The results of antihyperuricemia preclinical testing showed that extracts of salam and belimbing wuluh leaves, single dose of 200 mg/kg had lower activity levels of uric acid in blood serum of mice, respectively, 0.64 and 0.68 mg/dL. While antihyperuricemia activity of a combination of salam-belimbing wuluh extracts is 1.380. Each of the extracts had been analyzed for standardization extracts with the test procedure based on the parameters of Materia Medica Indonesia and the general standardize of medicinal plant extracts suggested by BPOM RI, which include non-specific and specific parameters. Overall, based on the results of standard tests common medicinal plant extracts, the two materials under study had met the recommended requirements.

Keywords: antihiyperuricemia activity in vivo, extract of salam and belimbing wuluh leaves, male white mice Balb-C, standardized extracts