12 January 2013

Muhtadi
Faculty of Pharmacy,
Muhammadiyah University of Surakarta,
Jalan Achmad Yani, Tromol Pos 1,
Pabelan, Kartasura Surakarta 57102

Dear participant,

Acceptance Letter for International Conference on Natural Products 2013 (ICNP 2013)

It is our pleasure to inform you that your abstract entitled “Antioxidant Activity of Sala(Cynometra ramiflora Linn) Plant Extract” has been accepted for Oral Presentation in the International Conference on Natural Products 2013 (ICNP2013) which will be held on 4 – 6 March 2013 at Shah Alam Convention Centre (SACC), Selangor, Malaysia. Your registration ID is OR-39.

We look forward your contribution and participation in ICNP2013.

Thank you.

Your sincerely,

Prof Dr Nor Hadiani Ismail
Conference Chairperson
ICNP 2013
Surat Tugas
Nomor: 166/FF/A.3-II/II/2013

Assalamu'alaikum Wr. Wb.

Yang bertanda tangan di bawah ini Pimpinan 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

Untuk menjadi presenter pada International Conference on Natural Products 2013 dengan tema “Antioxidant Activity of Sala(Cynometra ramiflora Linn) Plant Extract” pada tanggal 4-6 Maret 2013 di Selangor, Malaysia.

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

Wassalamu 'alaikum Wr.Wb.

Yang diberi tugas,

[Signature]
Dr. Muhtadi, M.Si

[Stamp]
Surakarta, 25 Februari 2013

a.n. Dekan
Wakil Dekan I,

Arifah Sri Wahyuni, M.Sc., Apt

Telah dilaksanakan sebagaimana mestinya

Mengetahui,

[Signature]

ANTIOXIDANT ACTIVITY OF SALA (Cynometra ramiflora Linn) PLANT EXTRACT

Muhtadi, Haryoto, Tanti Azizah, Peni Indrayudha, Andi Suhendi
Faculty of Pharmacy, Muhammadiyah University of Surakarta
Jl. Achmad Yani Tromol Pos 1, Pabelan Kartasura, Surakarta 57102
Corresponding: Email: pmuhtadi@gmail.com.

ABSTRACT

To investigate the antioxidant activity of Sala (Cynometra ramiflora Linn) medicinal plant extract were successively extracted with methanol and fractionation with the chromatography method to get nonpolar, semipolar and polar fraction. The leaves, fruits and stem barks of Sala had been extracted with methanol and screened for antioxidant activity using DPPH assay. The fruit extract and polar fraction of Sala leaves extracts showed low antioxidant activity, with the IC₅₀ values respectively, 425.10 ppm and 183.57 ppm. The methanolic extract, semipolar fraction of leaves extracts, nonpolar and semipolar fraction of stem bark extract showed a potential antioxidant activity, in that order 54.44, 91.20, 79.64 and 79.59 ppm. The stem bark methanol extract of Cynometra ramiflora Linn showed the highest activity (IC₅₀ 41.90 ppm). The result showed that prospective antioxidant of leaves and stem bark extract was higher than the fractions. Based on the IC₅₀ values the extract, semipolar and nonpolar fraction of stem bark can be developed as antioxidant agent.

Keywords: Antioxidant, Cynometra ramnifolia Linn, and DPPH assay.