



MALAYSIAN
NATURAL PRODUCT
SOCIETY



UNIVERSITI
TEKNOLOGI
MARA

International Conference on Natural Products 2013
4-6 March 2013, Shah Alam Convention Centre (SACC)
Selangor, MALAYSIA
<http://icnp2013.uitm.edu.my>

12 January 2013

Muhtadi
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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



UNIVERSITAS MUHAMMADIYAH SURAKARTA
FAKULTAS FARMASI

Terakreditasi "A" SK. BAN. PT. No. : 029/BAN-PT/Ak-XI/S1/XI/2008
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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 / III d
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.

Surakarta, 25 Februari 2013

Yang diberi tugas,

Dr. Muhtadi, M.Si



a.n. Dekan
Wakil Dekan I,

Arifah Sri Wahyuni, M.Sc., Apt

Telah dilaksanakan sebagaimana mestinya

Mengetahui,

NOR HADIANI ISMAIL, PhD
Professor
Faculty of Applied Sciences

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SETIAUSAHA
PERSATUAN SEBATIAN SEMULAJADI MALAYSIA
(MALAYSIAN NATURAL PRODUCTS SOCIETY)

ANTIOXIDANT ACTIVITY OF SALA (*Cynometra ramiflora* Linn) PLANT EXTRACT

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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.