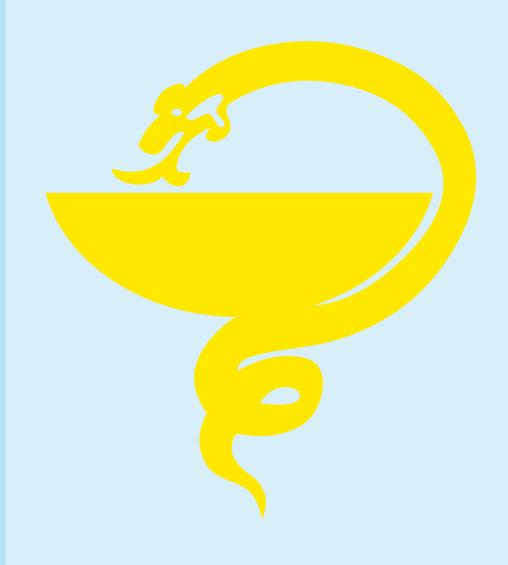
Jurnal IImiah FARMASI

(Scientific Journal of Pharmacy)



JURNAL ILMIAH FARMASI

(SCIENTIFIC JOURNAL OF PHARMACY)

PIMPINAN UMUM/ PENANGGUNG JAWAB

Dekan Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Islam Indonesia

WAKIL PIMPINAN UMUM/ WAKIL PENANGGUNG JAWAB

Ketua Jurusan Farmasi FMIPA UII

MITRA BESTARI

- 1. Prof. Dr. Wiryatun Lestariana, Apt
- 2. Prof. Dr. Zullies Ikawati, Apt
- 3. Prof. Dr. Sudibyo Martono, Apt
- 4. Dr. Tedjo Yuwono, Apt
- 5. Prof. Dr. Dachriyanus, Apt
- 6. Prof. dr. Iwan Dwiprahasto, MMedSc, PhD
- 7. Prof. Dr. Lukman Hakim M.Sc., Apt
- 8. Prof. Dr. Achmad Fudholi, DEA, Apt
- 9. Prof. Dr. Ibnu Gholib Gandjar, DEA., Apt

DEWAN EDITOR

Ketua : Saepudin, M.Si., Apt

Sekretaris : Rochmy Istikharah, M.Sc., Apt.

Anggota : Vitarani Dwi Ananda Ningrum, M.Si., Apt

Okti R. Mafruhah, MSc., Apt Dimas Adhi Pradana, MSc., Apt. Fithria DA. Suryanegara, MSc., Apt.

Ari Wibowo, S.Farm., Apt

Arba Pramudita Ramadani, MSc., Apt.

Oktavia Indrati, S.Farm., Apt.

Penerbit

Jurusan Farmasi Fakultas Matematika dan Ilmu Pengetahuan Alam Universitas Islam Indonesia

Alamat Penerbit

Jurusan Farmasi FMIPA UII Jl. Kaliurang Km. 14,4 Yogyakarta 55584 Telp. (0274) 896439 ext. 3047 Email: jif@uii.ac.id

EFEK FRAKSI LARUT AIR EKSTRAK ETANOL 50% KEMUNING (Murraya paniculata (L.) Jack) TERHADAP BERAT BADAN TIKUS BETINA DIET LEMAK TINGGI

Suwijiyo Pramono*, Agung Endro Nugroho*, Crisna Wardhani

*Fakultas Farmasi Universitas Gadjah Mada, Yogyakarta

ABSTRACT

Obesity is considered as a health problem that can promote the risks of getting disease, being not active and death. In some developing countries, many traditional therapies are applied for some diseases, including obesity. Kemuning (Murraya paniculata (L.) Jack) has been commonly known as slimming potion. In present, kemuning leaf is used as ingredient of traditional medicine formula, indicated as slimming potion. Former researcher mentioned that 30% ethanol-bemusing extract had been able to reduce trigliserid content in the blood reduce cholesterol content in blood serum of male Wistar furrow white rat (Rattus norvegicus). This research is proposed to examine the effect of water soluble fraction of 50% ethanol-kemuning extract to female Wistar furrow white rat body weight which given high fat diet and to compare the effect with anorextica (mazindol). Tested animal are divided into 6 groups, each group contain 5 rats. Group I as negative control is given 0,5% CMC Na solution. Group II as positive control is given 0,27 mg/kgBody Weight mazindol suspension. Group III is given 50% ethanol-kemuning extract suspension with 475 mg/kg BW dosage. Group IV is given watersoluble fraction suspension of kemuning extract dosage I that is 145 mg/kgBW. Group V is given watersoluble fraction suspension of kemuning extract dosage II that is 295 mg/kgBW. Group VI is given dose III that is 585 mg/kgBW. The suspension is given orally with repeated dosage. Data collected are the increase of body weight, woof consumption and drinking consumption. Body weight and woof consumption increases are analyzed by one-way Anava with 90% significancy level. Research result shows that water soluble fraction of 50% ethanol-kemuning extract with 585 mg/kgBW dosage and positive control (mazindol) are able to obstruct rat body weight increase significancy (p < 0,10) compared to negative control group.

Keys word: Murraya paniculata (L.) Jack, obesity, antiobesity