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LAMPIRAN

1. *Ethical Clearance*

KOMISI ETIK PENELITIAN KESEHATAN
FAKULTAS KEDOKTERAN GIGI
UNIVERSITAS LAMBUNG MANGKURAT BANJARMASIN - INDONESIA
THE ETHICAL COMMITTEE OF MEDICAL RESEARCH ETHICS
DENTISTRY FACULTY
UNIVERSITY OF LAMBUNG MANGKURAT BANJARMASIN – INDONESIA

KETERANGAN KELAIKAN ETIK
(ETHICAL CLEARANCE)
No. 069/KEPKG-FKGULM/EC/IV/2023

Komisi Etik Kesehatan Fakultas Kedokteran Gigi Universitas Lambung Mangkurat dengan memperhatikan hak asasi manusia dan kesejahteraan dalam penelitian kedokteran, setelah mempelajari dengan seksama rancangan penelitian yang diusulkan, dengan ini menyatakan bahwa penelitian dengan :
The Committee Of Medical Research Ethics Of Dentistry Faculty, Lambung Mangkurat University, with regards of the protection of human rights and welfare in medical research, has carefully reviewed the proposal entitled :

Judul :
Title :
PEMANFAATAN DAUN RAMANIA (Bouea macrophylla Griffith)
UNTUK PENCEGAHAN KERADANGAN DAN PENYEMBUHAN LUKA

UTILIZATION OF RAMANIA LEAVES (Bouea macrphylla Griffith)
FOR INFLAMMATION PREVENTION AND WOUND HEALING

Nama Peneliti *Name of the investigator*	:	Irham Taufiqurrahman
Nama Institusi *Name of Institution*	:	Program Doktor Ilmu Kesehatan Masyarakat Universitas Hasanuddin Makassar ***Doctor of Public Health Study Program*** ***University Of Hasanuddin Makassar***

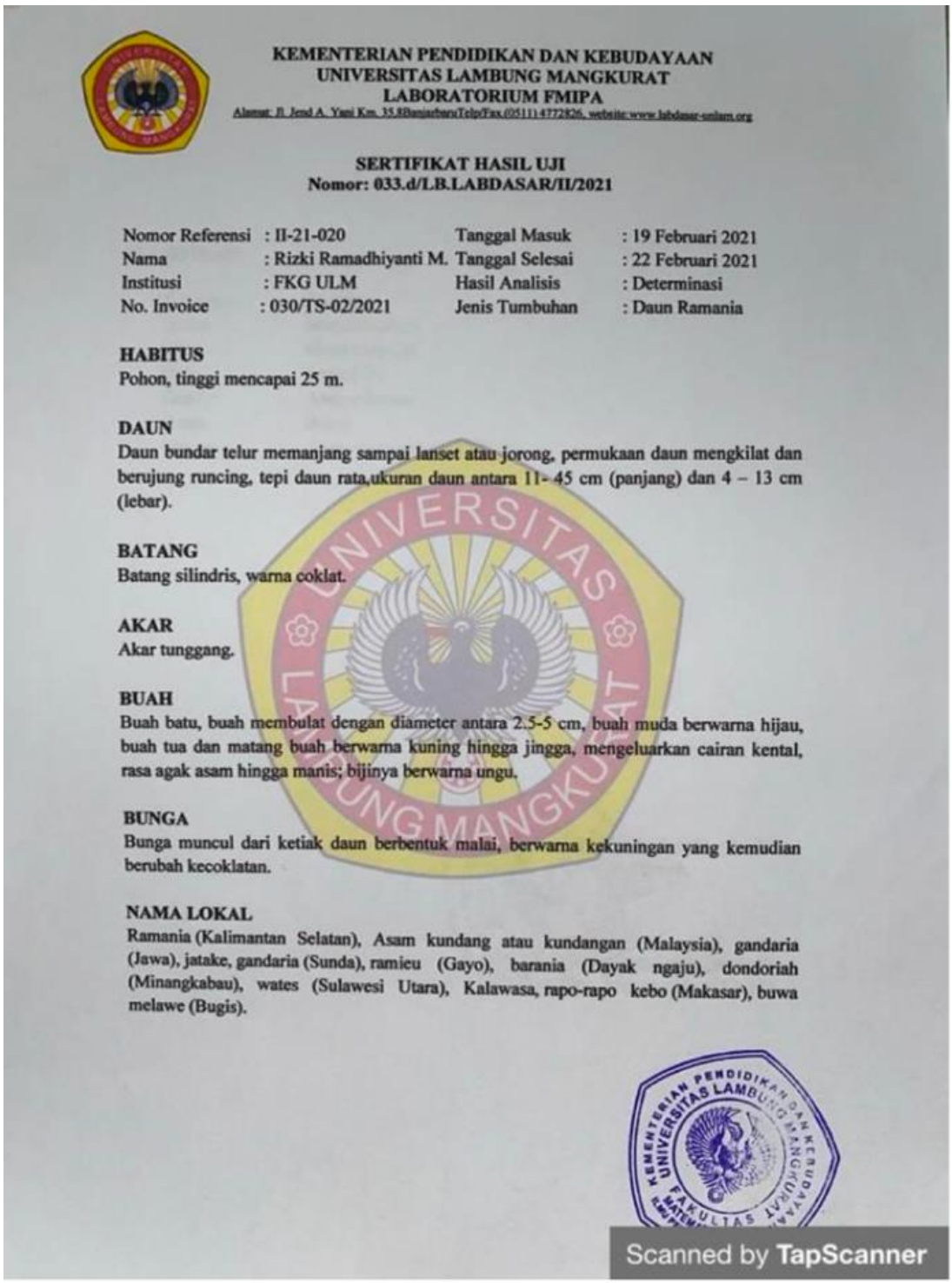
DINYATAKAN LAIK ETIK
Approved for ethical clearance

Banjarmasin, 06 April 2023
Komisi Etik Penelitian,
The ethical committe research

drg. Sherli Diana, Sp.KG
NIP. 19870227201903202O

2. Sertifikat Hasil Uji Determinasi Daun Ramania

2.1 Kabupaten Banjarbaru



KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
UNIVERSITAS LAMBUNG MANGKURAT
LABORATORIUM FMIPA
Alamat: Jl. Jend A. Yani Km. 35,8Banjarbaru/Telp/Fax.(0511)4772826, website:www.labdasar-unlam.org

SERTIFIKAT HASIL UJI
Nomor: 033.d/LB.LABDASAR/II/2021

Nomor Referensi	: II-21-020	Tanggal Masuk	: 19 Februari 2021
Nama	: Rizki Ramadhiyanti M.	Tanggal Selesai	: 22 Februari 2021
Institusi	: FKG ULM	Hasil Analisis	: Determinasi
No. Invoice	: 030/TS-02/2021	Jenis Tumbuhan	: Daun Ramania

HABITUS
Pohon, tinggi mencapai 25 m.

DAUN
Daun bundar telur memanjang sampai lanset atau jorong, permukaan daun mengkilat dan berujung runcing, tepi daun rata,ukuran daun antara 11- 45 cm (panjang) dan 4 – 13 cm (lebar).

BATANG
Batang silindris, warna coklat.

AKAR
Akar tunggang.

BUAH
Buah batu, buah membulat dengan diameter antara 2.5-5 cm, buah muda berwarna hijau, buah tua dan matang buah berwarna kuning hingga jingga, mengeluarkan cairan kental, rasa agak asam hingga manis; bijinya berwarna ungu.

BUNGA
Bunga muncul dari ketiak daun berbentuk malai, berwarna kekuningan yang kemudian berubah kecoklatan.

NAMA LOKAL
Ramania (Kalimantan Selatan), Asam kundang atau kundangan (Malaysia), gandaria (Jawa), jatake, gandaria (Sunda), ramieu (Gayo), barania (Dayak ngaju), dondoriah (Minangkabau), wates (Sulawesi Utara), Kalawasa, rapo-rapo kebo (Makasar), buwa melawe (Bugis).

KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
UNIVERSITAS LAMBUNG MANGKURAT
LABORATORIUM FMIPA
Alamat: Jl. Jend A. Yani Km. 35,8Banjarbaru Telp/Fax.(0511) 4772826, website:www.labdasar-unlam.org

SERTIFIKAT HASIL UJI
Nomor: 033.d/LB.LABDASAR/II/2021

KLASIFIKASI

Kingdom	:	Plantae
Divisi	:	Magnoliophyta
kelas	:	Magnoliopsida
Ordo	:	Sapindales
Family	:	Anacardiaceae
Genus	:	Bouea
Species	:	*Bouea macrophylla* Griffith.

Banjarbaru, 23 Februari 2021
Manager Puncak,

Dr. Teguh Wianto,S.Si.,M.Si.
NIP. 19780504 200312 1 004

2.2 Kabupaten Rantau

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS LAMBUNG MANGKURAT
LABORATORIUM FMIPA
Alamat: Jl. Jend A. Yani Km. 35,8Banjarbaru Telp/Fax (0511) 4772826, website:www.labdasar-unlam.org

SERTIFIKAT HASIL UJI
Nomor: 153a/LB.LABDASAR/VIII/2022

Nomor Referensi	: VII-22-006	Tanggal Masuk	: 21 Juli 2022
Nama	: Irham Taufiqurrahman	Tanggal Selesai	: 15 Agustus 2022
Institusi	: FKG ULM	Hasil Analisis	: Determinasi
No.Invoice	: 172/TS-07/2022	Jenis Tumbuhan	: Ramania

HABITUS
Pohon, tinggi mencapai 25 m.

DAUN
Daun bundar telur memanjang sampai lanset atau jorong, permukaan daun mengkilat dan berujung runcing, tepi daun rata, ukuran daun antara 11- 45 cm (panjang) dan 4 – 13 cm (lebar).

BATANG
Silindris, warna coklat, batang beralur coklat terang, percabangan sering kali melengkung, menyiku atau mendatar.

AKAR
Tunggang.

BUAH
Buah batu, buah membulat dengan diameter antara 2.5-5 cm, buah muda berwarna hijau, buah tua dan matang buah berwarna kuning hingga jingga, mengeluarkan cairan kental, rasa agak asam hingga manis; bijinya berwarna ungu, Biji berukuran diameter 2-5 cm.

BUNGA
Bunga muncul dari ketiak daun berbentuk malai; bunga tetramerus, kecil, cuping kelopak bundar telur melebar, daun mahkota lonjong sampai bundar telur terbalik dan berwarna kekuningan.

NAMA LOKAL
Ramania (Kalimantan Selatan), Asam kundang atau kundangan (Malaysia), gandaria (Jawa), jatake, gandaria (Sunda), remieu (Gayo), barania (Dayak ngaju), dandoriah (Minangkabau), wetes (Sulawesi Utara), Kalawasa, rapo-rapo kebo (Makasar), buwa melawe (Bugis).

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS LAMBUNG MANGKURAT
LABORATORIUM FMIPA
Alamat: Jl. Jend A. Yani Km. 35,8Banjarbaru Telp/Fax.(0511) 4772826, website:www.labdasar-unlam.org

SERTIFIKAT HASIL UJI
Nomor: 153a/LB.LABDASAR/VIII/2022

KLASIFIKASI

Kingdom	:	Plantae
Divisi	:	Magnoliophyta
kelas	:	Magnoliopsida
Ordo	:	Sapindales
Family	:	Anacardiaceae
Genus	:	Bouea
Species	:	*Bouea macrophylla* Griffith.

Banjarbaru, 16 Agustus 2022
Manager Runcak,

Dr. Tono Wianto, S.Si., M.Si.
NIP 19780504 200312 1 004

NB : Sampel tanaman ramania diambil di Rantau

2.3 Kabupaten Marabahan

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS LAMBUNG MANGKURAT
LABORATORIUM FMIPA
Alamat: Jl. Jend A. Yani Km. 35,8Banjarbaru Telp/Fax (0511) 4772826, website:www.labdasar-unlam.org

SERTIFIKAT HASIL UJI
Nomor: 155a/LB.LABDASAR/VIII/2022

Nomor Referensi	: VII-22-006	Tanggal Masuk	: 21 Juli 2022
Nama	: Irham Taufiqurrahman	Tanggal Selesai	: 15 Agustus 2022
Institusi	: FKG ULM	Hasil Analisis	: Determinasi
No.Invoice	: 172/TS-07/2022	Jenis Tumbuhan	: Ramania

HABITUS
Pohon, tinggi mencapai 25 m.

DAUN
Daun bundar telur memanjang sampai lanset atau jorong, permukaan daun mengkilat dan berujung runcing, tepi daun rata, ukuran daun antara 11- 45 cm (panjang) dan 4 – 13 cm (lebar).

BATANG
Silindris, warna coklat, batang beralur coklat terang, percabangan sering kali melengkung, menyiku atau mendatar.

AKAR
Tunggang.

BUAH
Buah batu, buah membulat dengan diameter antara 2.5-5 cm, buah muda berwarna hijau, buah tua dan matang buah berwarna kuning hingga jingga, mengeluarkan cairan kental, rasa agak asam hingga manis; bijinya berwarna ungu, Biji berukuran diameter 2-5 cm.

BUNGA
Bunga muncul dari ketiak daun berbentuk malai; bunga tetramerus, kecil, cuping kelopak bundar telur melebar, daun mahkota lonjong sampai bundar telur terbalik dan berwarna kekuningan.

NAMA LOKAL
Ramania (Kalimantan Selatan), Asam kundang atau kundangan (Malaysia), gandaria (Jawa), jatake, gandaria (Sunda), remieu (Gayo), barania (Dayak ngaju), dandoriah (Minangkabau), wetes (Sulawesi Utara), Kalawasa, rapo-rapo kebo (Makasar), buwa melawe (Bugis).

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS LAMBUNG MANGKURAT
LABORATORIUM FMIPA
Alamat: Jl. Jend A. Yani Km. 35.8Banjarbaru Telp/Fax (0511) 4772826, website:www.labdasar-unlam.org

SERTIFIKAT HASIL UJI
Nomor: 155a/LB.LABDASAR/VIII/2022

KLASIFIKASI

Kingdom	:	Plantae
Divisi	:	Magnoliophyta
kelas	:	Magnoliopsida
Ordo	:	Sapindales
Family	:	Anacardiaceae
Genus	:	Bouea
Species	:	*Bouea macrophylla* Griffith.

Banjarbaru, 16 Agustus 2022
Manager Pucak,

Dr. Totok Wianto, S.Si., M.Si.
NIP 19780504 200312 1 004

NB : Sampel tanaman ramania diambil di Marabahan

2.4 Kabupaten Kandangan

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS LAMBUNG MANGKURAT
LABORATORIUM FMIPA
Alamat: Jl. Jend A. Yani Km. 35,8Banjarbaru Telp/Fax.(0511) 4772826, website:www.labdasar-unlam.org

SERTIFIKAT HASIL UJI
Nomor: 154a/LB.LABDASAR/VIII/2022

Nomor Referensi	: VII-22-006	Tanggal Masuk	: 21 Juli 2022
Nama	: Irham Taufiqurrahman	Tanggal Selesai	: 15 Agustus 2022
Institusi	: FKG ULM	Hasil Analisis	: Determinasi
No.Invoice	: 172/TS-07/2022	Jenis Tumbuhan	: Ramania

HABITUS
Pohon, tinggi mencapai 25 m.

DAUN
Daun bundar telur memanjang sampai lanset atau jorong, permukaan daun mengkilat dan berujung runcing, tepi daun rata, ukuran daun antara 11- 45 cm (panjang) dan 4 – 13 cm (lebar).

BATANG
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AKAR
Tunggang.

BUAH
Buah batu, buah membulat dengan diameter antara 2.5-5 cm, buah muda berwarna hijau, buah tua dan matang buah berwarna kuning hingga jingga, mengeluarkan cairan kental, rasa agak asam hingga manis; bijinya berwarna ungu, Biji berukuran diameter 2-5 cm.

BUNGA
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NAMA LOKAL
Ramania (Kalimantan Selatan), Asam kundang atau kundangan (Malaysia), gandaria (Jawa), jatake, gandaria (Sunda), remieu (Gayo), barania (Dayak ngaju), dandoriah (Minangkabau), wetes (Sulawesi Utara), Kalawasa, rapo-rapo kebo (Makasar), buwa melawe (Bugis).

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS LAMBUNG MANGKURAT
LABORATORIUM FMIPA
Alamat: Jl. Jend A. Yani Km. 35.8Banjarbaru Telp/Fax (0511) 4772826, website:www.labdasar-unlam.org

SERTIFIKAT HASIL UJI
Nomor: 154a/LB.LABDASAR/VIII/2022

KLASIFIKASI

Kingdom	:	Plantae
Divisi	:	Magnoliophyta
kelas	:	Magnoliopsida
Ordo	:	Sapindales
Family	:	Anacardiaceae
Genus	:	Bouea
Species	:	*Bouea macrophylla* Griffith.

Banjarbaru, 16 Agustus 2022
Manager Pancak,

Dr. Totok Wianto, S.Si., M.Si.
NIP. 19780504 200312 1 004

NB : Sampel tanaman ramania diambil di Kandangan

2.5 Kabupaten Balangan

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS LAMBUNG MANGKURAT
LABORATORIUM FMIPA
Alamat: Jl. Jend A. Yani Km. 35,8Banjarbaru/Telp/Fax.(0511) 4772826, website:www.labdasar-unlam.org

SERTIFIKAT HASIL UJI
Nomor: 156a/LB.LABDASAR/VIII/2022

Nomor Referensi	: VII-22-006	Tanggal Masuk	: 21 Juli 2022
Nama	: Irham Taufiqurrahman	Tanggal Selesai	: 15 Agustus 2022
Institusi	: FKG ULM	Hasil Analisis	: Determinasi
No.Invoice	: 172/TS-07/2022	Jenis Tumbuhan	: Ramania

HABITUS
Pohon, tinggi mencapai 25 m.

DAUN
Daun bundar telur memanjang sampai lanset atau jorong, permukaan daun mengkilat dan berujung runcing, tepi daun rata, ukuran daun antara 11- 45 cm (panjang) dan 4 – 13 cm (lebar).

BATANG
Silindris, warna coklat, batang beralur coklat terang, percabangan sering kali melengkung, menyiku atau mendatar.

AKAR
Tunggang.

BUAH
Buah batu, buah membulat dengan diameter antara 2.5-5 cm, buah muda berwarna hijau, buah tua dan matang buah berwarna kuning hingga jingga, mengeluarkan cairan kental, rasa agak asam hingga manis; bijinya berwarna ungu, Biji berukuran diameter 2-5 cm.

BUNGA
Bunga muncul dari ketiak daun berbentuk malai; bunga tetramerus, kecil, cuping kelopak bundar telur melebar, daun mahkota lonjong sampai bundar telur terbalik dan berwarna kekuningan.

NAMA LOKAL
Ramania (Kalimantan Selatan), Asam kundang atau kundangan (Malaysia), gandaria (Jawa), jatake, gandaria (Sunda), remieu (Gayo), barania (Dayak ngaju), dandoriah (Minangkabau), wetes (Sulawesi Utara), Kalawasa, rapo-rapo kebo (Makasar), buwa melawe (Bugis).

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS LAMBUNG MANGKURAT
LABORATORIUM FMIPA
Alamat: Jl. Jend A. Yani Km. 35,8Banjarbaru Telp/Fax.(0511) 4772826, website: www.labdasar-unlam.org

SERTIFIKAT HASIL UJI
Nomor: 156a/LB.LABDASAR/VIII/2022

KLASIFIKASI

Kingdom	:	Plantae
Divisi	:	Magnoliophyta
kelas	:	Magnoliopsida
Ordo	:	Sapindales
Family	:	Anacardiaceae
Genus	:	Bouea
Species	:	*Bouea macrophylla* Griffith.

Banjarbaru, 16 Agustus 2022
Manager Pudcak,

Dr. Totok Wianto, S.Si., M.Si.
NIP. 19780504 200312 1 004

NB : Sampel tanaman ramania diambil di Balangan

2.6 Kabupaten Pagatan

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS LAMBUNG MANGKURAT
LABORATORIUM FMIPA
Alamat: Jl. Jend A. Yani Km. 35.8Banjarbaru Telp/Fax (0511) 4772826, website: www.labdasar-unlam.org

SERTIFIKAT HASIL UJI
Nomor: 164a/LB.LABDASAR/VIII/2022

Nomor Referensi	: VIII-22-005	Tanggal Masuk	: 2 Agustus 2022
Nama	: Irham Taufiqurrahman	Tanggal Selesai	: 23 Agustus 2022
Institusi	: FKG ULM	Hasil Analisis	: Determinasi
No.Invoice	: 180/TS-08/2022	Jenis Tumbuhan	: Ramania

HABITUS
Pohon, tinggi mencapai 25 m.

DAUN
Daun bundar telur memanjang sampai lanset atau jorong, permukaan daun mengkilat dan berujung runcing, tepi daun rata, ukuran daun antara 11- 45 cm (panjang) dan 4 – 13 cm (lebar).

BATANG
Silindris, warna coklat, batang beralur coklat terang, percabangan sering kali melengkung, menyiku atau mendatar.

AKAR
Tunggang.

BUAH
Buah batu, buah membulat dengan diameter antara 2.5-5 cm, buah muda berwarna hijau, buah tua dan matang buah berwarna kuning hingga jingga, mengeluarkan cairan kental, rasa agak asam hingga manis; bijinya berwarna ungu, Biji berukuran diameter 2-5 cm.

BUNGA
Bunga muncul dari ketiak daun berbentuk malai; bunga tetramerus, kecil, cuping kelopak bundar telur melebar, daun mahkota lonjong sampai bundar telur terbalik dan berwarna kekuningan.

NAMA LOKAL
Ramania (Kalimantan Selatan), Asam kundang atau kundangan (Malaysia), gandaria (Jawa), jatake, gandaria (Sunda), remieu (Gayo), barania (Dayak ngaju), dandoriah (Minangkabau), wetes (Sulawesi Utara), Kalawasa, rapo-rapo kebo (Makasar), buwa melawe (Bugis).

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS LAMBUNG MANGKURAT
LABORATORIUM FMIPA
Alamat: Jl. Jend A. Yani Km. 35.8BanjarbaruTelp/Fax (0511) 4772826, website www.labdasar-unlam.org

SERTIFIKAT HASIL UJI
Nomor: 164a/LB.LABDASAR/VIII/2022

KLASIFIKASI

Kingdom	:	Plantae
Divisi	:	Magnoliophyta
kelas	:	Magnoliopsida
Ordo	:	Sapindales
Family	:	*Anacardiaceae*
Genus	:	*Boue*a
Species	:	*Bouea macrophylla* Griffith.

Banjarbaru, 23 Agustus 2022
Manajer Puncak,

Dr. Totok Wianto, S.Si., M.Si.
NIP. 19780[illegible]04 200312 1 004

NB : Sampel tanaman ramania diambil di Pagatan

2.7 Kabupaten Batu Licin

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS LAMBUNG MANGKURAT
LABORATORIUM FMIPA
Alamat: Jl. Jend A. Yani Km. 35,8Banjarbaru/Telp/Fax (0511) 4772826, website:www.labdasar-unlam.org

SERTIFIKAT HASIL UJI
Nomor: 165a/LB.LABDASAR/VIII/2022

Nomor Referensi	: VIII-22-005	Tanggal Masuk	: 2 Agustus 2022
Nama	: Irham Taufiqurrahman	Tanggal Selesai	: 23 Agustus 2022
Institusi	: FKG ULM	Hasil Analisis	: Determinasi
No.Invoice	: 180/TS-08/2022	Jenis Tumbuhan	: Ramania

HABITUS
Pohon, tinggi mencapai 25 m.

DAUN
Daun bundar telur memanjang sampai lanset atau jorong, permukaan daun mengkilat dan berujung runcing, tepi daun rata, ukuran daun antara 11- 45 cm (panjang) dan 4 – 13 cm (lebar).

BATANG
Silindris, warna coklat, batang beralur coklat terang, percabangan sering kali melengkung, menyiku atau mendatar.

AKAR
Tunggang.

BUAH
Buah batu, buah membulat dengan diameter antara 2.5-5 cm, buah muda berwarna hijau, buah tua dan matang buah berwarna kuning hingga jingga, mengeluarkan cairan kental, rasa agak asam hingga manis; bijinya berwarna ungu, Biji berukuran diameter 2-5 cm.

BUNGA
Bunga muncul dari ketiak daun berbentuk malai; bunga tetramerus, kecil, cuping kelopak bundar telur melebar, daun mahkota lonjong sampai bundar telur terbalik dan berwarna kekuningan.

NAMA LOKAL
Ramania (Kalimantan Selatan), Asam kundang atau kundangan (Malaysia), gandaria (Jawa), jatake, gandaria (Sunda), remieu (Gayo), barania (Dayak ngaju), dandoriah (Minangkabau), wetes (Sulawesi Utara), Kalawasa, rapo-rapo kebo (Makasar), buwa melawe (Bugis).

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS LAMBUNG MANGKURAT
LABORATORIUM FMIPA
Alamat: Jl. Jend A. Yani Km. 35,8BanjarbaruTelp/Fax.(0511) 4772826, website:www.labdasar-unlam.org

SERTIFIKAT HASIL UJI
Nomor: 165a/LB.LABDASAR/VIII/2022

KLASIFIKASI

Kingdom	:	Plantae
Divisi	:	Magnoliophyta
kelas	:	Magnoliopsida
Ordo	:	Sapindales
Family	:	*Anacardiaceae*
Genus	:	*Bouea*
Species	:	*Bouea macrophylla* Griffith.

Banjarbaru, 23 Agustus 2022
Manager Pancak,

Dr. Totok Wianto, S.Si., M.Si.
NIP. 19780304 200312 1 004

NB : Sampel tanaman ramania diambil di Batulicin

2.8 Kabupaten Amuntai

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS LAMBUNG MANGKURAT
LABORATORIUM FMIPA
Alamat: Jl. Jend A. Yani Km. 35,8Banjarbaru Telp/Fax.(0511) 4772826, website:www.labdasar-unlam.org

SERTIFIKAT HASIL UJI
Nomor: 152a/LB.LABDASAR/VIII/2022

Nomor Referensi	: VII-22-005	Tanggal Masuk	: 14 Juli 2022
Nama	: Irham Taufiqurrahman	Tanggal Selesai	: 15 Agustus 2022
Institusi	: FKG ULM	Hasil Analisis	: Determinasi
No.Invoice	: 171/TS-07/2022	Jenis Tumbuhan	: Ramania

HABITUS
Pohon, tinggi mencapai 25 m.

DAUN
Daun bundar telur memanjang sampai lanset atau jorong, permukaan daun mengkilat dan berujung runcing, tepi daun rata, ukuran daun antara 11- 45 cm (panjang) dan 4 – 13 cm (lebar).

BATANG
Silindris, warna coklat, batang beralur coklat terang, percabangan sering kali melengkung, menyiku atau mendatar.

AKAR
Tunggang.

BUAH
Buah batu, buah membulat dengan diameter antara 2.5-5 cm, buah muda berwarna hijau, buah tua dan matang buah berwarna kuning hingga jingga, mengeluarkan cairan kental, rasa agak asam hingga manis; bijinya berwarna ungu, Biji berukuran diameter 2-5 cm.

BUNGA
Bunga muncul dari ketiak daun berbentuk malai; bunga tetramerus, kecil, cuping kelopak bundar telur melebar, daun mahkota lonjong sampai bundar telur terbalik dan berwarna kekuningan.

NAMA LOKAL
Ramania (Kalimantan Selatan), Asam kundang atau kundangan (Malaysia), gandaria (Jawa), jatake, gandaria (Sunda), remieu (Gayo), barania (Dayak ngaju), dandoriah (Minangkabau), wetes (Sulawesi Utara), Kalawasa, rapo-rapo kebo (Makasar), buwa melawe (Bugis).

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS LAMBUNG MANGKURAT
LABORATORIUM FMIPA
Alamat: Jl. Jend A. Yani Km. 35.8Banjarbaru Telp/Fax.(0511) 4772826, website:www.labdasar-unlam.org

SERTIFIKAT HASIL UJI
Nomor: 152a/LB.LABDASAR/VIII/2022

KLASIFIKASI

Kingdom	:	Plantae
Divisi	:	Magnoliophyta
kelas	:	Magnoliopsida
Ordo	:	Sapindales
Family	:	*Anacardiaceae*
Genus	:	*Boue*a
Species	:	*Bouea macrophylla* Griffith.

Banjarbaru, 16 Agustus 2022
Manager Puncak,

Dr. Taufik Wianto, S.Si., M.Si.
NIP. 19780504 200312 1 004

NB : Sampel tanaman ramania diambil di Amuntai

3. Sertifikat hasil uji determinasi daun Pegagan

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS LAMBUNG MANGKURAT
LABORATORIUM FMIPA
Alamat: Jl. Jend A. Yani Km. 35,8 Banjarbaru, Telp/Fax (0511) 4772826, website:www.labdasar-unlam.org

SERTIFIKAT HASIL UJI
Nomor: 061a/LB.LABDASAR/II/2023

Nomor Referensi	: I-23-042	Tanggal Masuk	: 20 Januari 2023
Nama	: Irham Taufiqurrahman	Tanggal Selesai	: 27 Januari 2023
Institusi	: FKG ULM	Hasil Analisis	: Determinasi
No.Invoice	: 042/TS-01/2023	Jenis Tumbuhan	: Pegagan

HABITUS
Terna atau herba menahun.

DAUN
Daun tunggal, bertangkai panjang, dan terdiri dari 2-10 helai daun, dalam roset. Helaian daun berbentuk ginjal, panjang tangkai 1-50 cm, pada pangkal berbentuk pelepah, tepi bergerigi atau beringgit dan agak berambut.

BATANG
Tidak berbatang, mempunyai rimpang pendek dan stolon-stolon yang merayap, panjang 10-80 cm.

AKAR
Serabut.

BUAH
Buah majemuk tak terbatas, kecil bergantung, berbentuk lonjong, pipih, panjang 2-2,5 mm, baunya wangi, dan rasanya pahit.

BUNGA
Bunga tersusun dalam karangan berupa payung, tunggal atau 3-5 bunga bersama-sama keluar dari ketiak daun, dan berwarna merah muda atau putih.

NAMA LOKAL
Pegago (Minangkabau); antanan gede, antanan rambat (Sunda); ganggagan, kerok batok, pantegowang, panegowang, rendeng, calingan rambat, pegagan, atau gagan-gagan (Jawa); taidah (Bali); balele (Sasak, Nusa Tenggara); kelai lere (Sawo, Nusa Tenggara); wisu-wisu, pegaga (Makasar); daun tungke-tungke, cipubalawo (Bugis); hisuhisu (Aselayar, Sulawesi); kos tekosan, gan gagan (Madura), sarowati, kori-kori (Halmahera), kolotidi menora (Ternate), dan dogakue, gogakue, atau sandanan (Irian).

4. Sertifikat hasil uji determinasi daun *Camelia sinensis*

KEMENTERIAN PENDIDIKAN, KEBUDAYAAN, RISET DAN TEKNOLOGI
UNIVERSITAS LAMBUNG MANGKURAT
LABORATORIUM FMIPA
Alamat: Jl. Jend A. Yani Km. 35,8 Banjarbaru, Telp/Fax (0511) 4772826, website:www.labdasar-unlam.org

SERTIFIKAT HASIL UJI
Nomor: 121a/LB.LABDASAR/III/2023

Nomor Referensi	: III-23-006	Tanggal Masuk	: 6 Maret 2023
Nama	: Irham Taufiqurrahman	Tanggal Selesai	: 27 Maret 2023
Institusi	: FKG ULM	Hasil Analisis	: Determinasi
No.Invoice	: 091/TS-03/2023	Jenis Tumbuhan	: Teh

HABITUS
Perdu atau pohon kecil.

DAUN
Daun tunggal; hijau muda dengan panjang 5 - 30 cm dan lebar sekitar 4 cm; ujung runcing, tepi rata, pangkal daun tumpul. Daun tua berwarna lebih gelap.

BATANG
Silindris, berkayu, warna coklat.

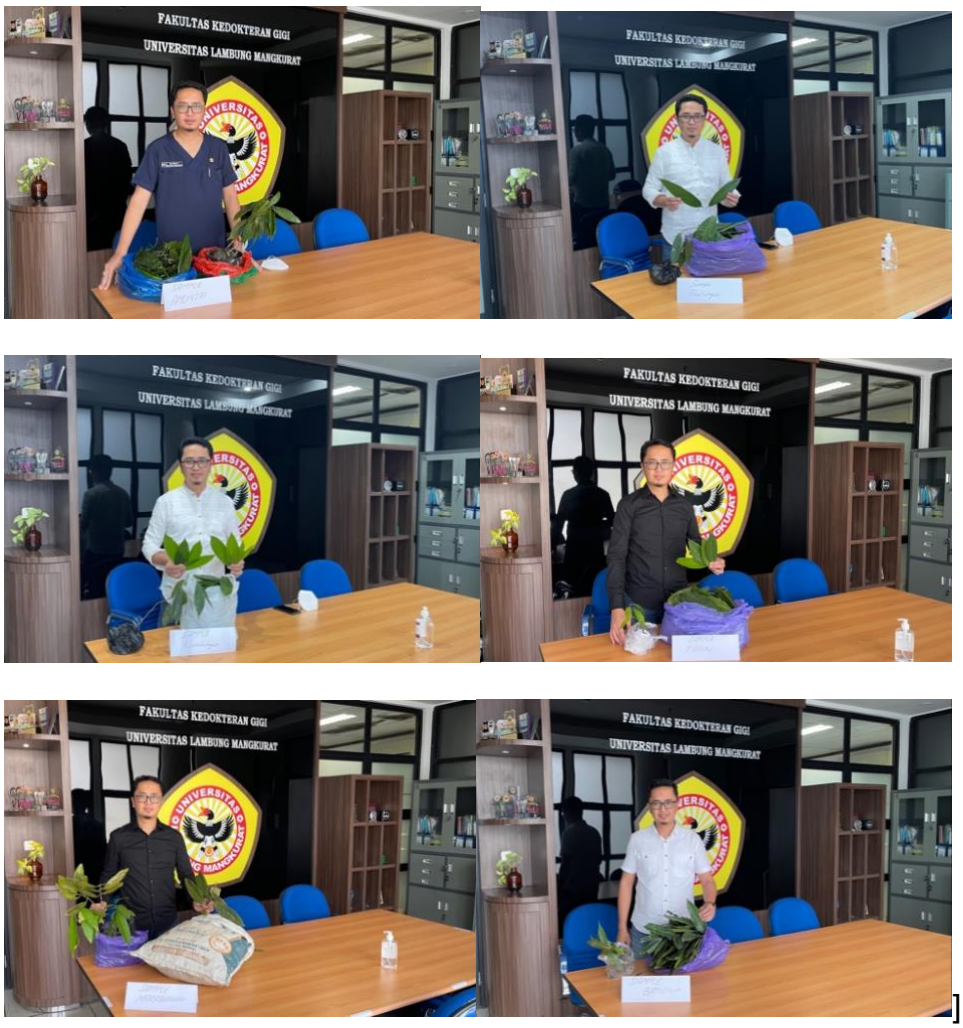
AKAR
Tunggang, warna coklat tua.

BUAH
Buahnya berbentuk pipih, bulat, dan terdapat satu biji dalam masing-masing buah dengan ukuran sebesar kacang.

BUNGA
Bunganya kuning-putih berdiameter 2,5–4 cm dengan 7 hingga 8 petal; diameter 2,5 - 4 cm dan biasanya berdiri sendiri atau saling berpasangan dua-dua.

NAMA LOKAL
Teh.

5. **Sampel Daun Ramania dari beberapa wilayah di Kalimantan Selatan**



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6. Persiapan Perlakuan Hewan Coba

7. Evaporasi Ekstrak Ramania dan Camelia

8. Ruang Karantina Tikus

9. Proses Sondasi Teh

10. Hasil Pengambilan Sampel Darah Tikus

11. *Reagen* Aktivitas Enzim

12. *Full Set Kit* Studio Foto