

DAFTAR ISI

Abdul Sani, N. F. *et al.* (2014) 'Effect of the Combination of Gelam Honey and Ginger on Oxidative Stress and Metabolic Profile in Streptozotocin-Induced Diabetic Sprague-Dawley Rats', *BioMed Research International*. Hindawi Publishing Corporation, 2014(May), p. 9. doi: 10.1155/2014/160695.

Alagwu, E. A. *et al.* (2011) 'Effect of honey intake on serum cholesterol , triglycerides and lipoprotein levels in albino rats and potential benefits on risks of coronary heart disease', *Physiological Society of Nigeria*, 26(December), pp. 161–165.

Alqarni, A. S. *et al.* (2014) 'Mineral content and physical properties of local and imported honeys in Saudi Arabia', *Journal of Saudi Chemical Society*. King Saud University, 18(5), pp. 618–625. doi: 10.1016/j.jscs.2012.11.009.

Ávila, S. *et al.* (2018) 'Stingless bee honey: Quality parameters , bioactive compounds , health- promotion properties and modification detection strategies', *Trends in Food Science & Technology*, 81(March), pp. 37–50. doi: 10.1016/j.tifs.2018.09.002.

B, L. E. S. *et al.* (2017) 'Pengaruh Pendidikan Kesehatan Metode Peer Education Mengenai Skrining Prakonsepsi Terhadap Sikap Dan Motivasi Wanita Usia Subur', *Tunas-Tunas Riset Kesehatan*, VII, pp. 62–66.

Bakour, M. *et al.* (2017) 'Antioxidant activity and protective effect of bee bread (honey and pollen) in aluminum-induced anemia, elevation of inflammatory makers and hepato-renal toxicity', *Journal of Food Science and Technology*. Springer India, 54(13), pp. 4205–4212. doi: 10.1007/s13197-017-2889-9.

Balkanska, R., Marghitas, L.-A. and Pavel, C. I. (2017) 'Antioxidant Activity and Total Polyphenol Content of Royal Jelly from Bulgaria', *International Journal of Current Microbiology and Applied Sciences*, 6(10), pp. 578–585. doi: 10.20546/ijcmas.2017.610.071.

Bogdanov, S. (2016) 'The Royal Jelly Book For so work the honey-bees', (April).

v, S. (2017) 'Royal Jelly, Bee Brood: Composition, Health< Medicine: A ew', *Bee Product Science*, pp. 1–41. Available at: www.bee-hexagon.net.

ah, Raya, I., Usman, A. N., Rahman, L., *et al.* (2020) *Pengaruh Suplementasi*



Ginger Honey dan Cocktail Honey Terhadap Kadar Estradiol pada Mencit Betina Balb/c yang Mengalami Stress. Hasanuddin University.

Emmasitah, Raya, I., Usman, A. N., Mauludiyah, I., *et al.* (2020) 'Uji FTIR Dan Uji Fitokimia Dari Madu Trigona Spp. Untuk Persiapan Suplemen Wanita Prakonsepsi', *Jurnal Keperawatan Muhammadiyah*, pp. 1–6.

Erejuwa, O. O., Sulaiman, S. A. and Wahab, M. S. A. (2012) 'Honey: A Novel Antioxidant', *Molecules*, pp. 4400–4423. doi: 10.3390/molecules17044400.

Escuredo, O., Fernández-gonzález, M. and Seijo, M. C. (2013) 'Nutritional value and antioxidant activity of honeys produced in a European Atlantic area', *Food Chemistry*. Elsevier Ltd, 138(2–3), pp. 851–856. doi: 10.1016/j.foodchem.2012.11.015.

Fadlurrahman, A. R. (2018) 'Penentuan Kadar Malondialdehid (MDA) pada Saliva Wanita Perokok Usia 26 – 35', *Majalah Kesehatan PharmaMedika*, 10(2), pp. 78–84.

Farag, M. A. *et al.* (2019) 'Recent Insights Into Chemical And Pharmacological Studies Of Bee Bread', *Trends in Food Science & Technology*. Elsevier Ltd. doi: 10.1016/j.tifs.2019.08.021.

Flores, M. S. R., Escuredo, O. and Seijo, M. C. (2015) 'Assessment of physicochemical and antioxidant characteristics of Quercus pyrenaica honeydew honeys', *Food Chemistry*, 166, pp. 101–106. doi: 10.1016/j.foodchem.2014.06.005.

Gambacorta, E. *et al.* (2014) 'Original article Antioxidant properties and phenolic content of sulla (Hedysarum spp .) honeys from Southern Italy', *International Journal of Food Science and Technology*, pp. 1–9. doi: 10.1111/ijfs.12541.

Handayani, E. (2018) *Skrining Kandungan Senyawa Aktif Madu Dan Uji Potensinya Sebagai Antioksidan.* Universitas Hasanuddin.

Handayani, V. *et al.* (2014) 'Uji Aktivitas Antioksidan Ekstrak Metanol Bunga dan Daun Patikala (Etlingera elatior (Jack) R . M . Sm) Menggunakan Abstrak', *Jurnal Pharm Sci Res*, 1(2), pp. 86–93.

Handayani, V., Ahmad, A. R. and Sudir, M. (2014) 'Uji Aktivitas Antioksidan Ekstrak Metanol Bunga dan Daun Patikala (Etlingera elatior (Jack) R.M.Sm)



Menggunakan Metode DPPH', *Pharmaceutical Sciences and Research*, 1(2), pp. 86–93. doi: 10.7454/psr.v1i2.3321.

Hapsari, H. P. (2014) *Pengaruh Pemberian Jahe Merah (Zingiber officinale var rubrum) Terhadap Kadar Kolesterol LDL*. Universitas Diponegoro.

Hikmah, T. N., Sugiyono and Yasni, S. (2015) 'Kajian Stabilitas Komponen Volatil Sirup Campuran Jahe, Sereh, Dan Madu Selama Penyimpanan', *Jurnal Agroindustri Halal*, 1(April), pp. 80–87.

Kaban, A. N., Daniel and Saleh, C. (2016) 'Uji Fitokimia, Toksisitas Dan Aktivitas Antioksidan Fraksi n-Heksan Dan Etil Asetat Terhadap Ekstrak Jahe Merah(Zingiber officinale var . amarum .)', *Jurnal Kimia Mulawarman*, 14, pp. 24–28.

Kek, S. P. *et al.* (2014) 'Total Phenolic Contents and Colour Intensity of Malaysian Honeys from the Apis spp. and Trigona spp. Bees', *Agriculture and Agricultural Science Procedia*. Elsevier Srl, 2, pp. 150–155. doi: 10.1016/j.aaspro.2014.11.022.

Khoubnasab Jafari, M., Ansarin, K. and Jouyban, A. (2015) 'Comments on "use of malondialdehyde as a biomarker for assesing oxidative stress in different disease pathologies: A review"', *Iranian Journal of Public Health*, 44(5), pp. 714–715.

Kieliszek, M. *et al.* (2017) 'Pollen And Bee Bread As New Health-Oriented Products: A Review', *Trends in Food Science & Technology*. Elsevier Ltd. doi: 10.1016/j.tifs.2017.10.021.

Kolayli, S. *et al.* (2016) 'A comparative study of the antihyaluronidase , antiurease , antioxidant , antimicrobial and physicochemical properties of different unifloral degrees of chestnut (Castanea sativa Mill .) honeys A comparative study of the antihyaluronidase , antiurease ', *Journal of Enzyme Inhibition and Medicinal Chemistry*, 6366. doi: 10.1080/14756366.2016.1209494.

Maghsoudlou, A. *et al.* (2019) 'Royal jelly: Chemistry, Storage And Bioactivities', *Journal of Apicultural Science*, 63(1), pp. 17–40. doi: 10.2478/JAS-2019-0007.

S. S. *et al.* (2018) 'Pengaruh Suplementasi Madu Trigona terhadap meter Fungsi Hati dan Ginjal Tikus Albino (Rattus norvegicus) yang rikan Simvastatin', *Jurnal Farmasi Galentika*, 4(1), pp. 36–43. doi: 10.2487/j24428744.2017.v4.i1.9960.



- Markiewicz-Żukowska, R. *et al.* (2013) 'Chemical Composition and Antioxidant Activity of Beebread and Its Influence on The Flioblasatoma Cell Line (U87 MG)', *Journal of Apicultural Science*, 57(2), pp. 147–157. doi: 10.2478/jas-2013-0025.
- Miguel, M. G., Antunes, M. D. and Faleiro, M. L. (2017) 'Honey as a Complementary Medicine', *Integrative Medicine Insights*, 12. doi: 10.1177/1178633717702869.
- Moniruzzaman, M. *et al.* (2013) 'Physicochemical and antioxidant properties of Malaysian honeys produced by', *BMC Complementary and Alternative Medicine*, 13(43), pp. 1–12.
- Mosavat, M., Ooi, F. K. and Mohamed, M. (2014) 'Stress Hormone and Reproductive System in Response to Honey Supplementation Combined with Different Jumping Exercise Intensities in Female Rats', *BioMed Research International*, 2014, p. 6.
- Munstedt, K., Hoffmann, S., *et al.* (2009) 'Effect of Honey on Serum Cholesterol and Lipid Values', *Journal of Medicinal Food*, 12(3), pp. 624–628.
- Munstedt, K., Hoffman, S., *et al.* (2009) 'Full Communication Effect of Honey on Serum Cholesterol and Lipid Values"', *journal of medical food*, 12(3), pp. 624–628.
- Nilawati, A. *et al.* (2016) 'Nutrient Content and pH of Honey Propolis Trigona from Masamba , South Sulawesi Indonesia', *International Journal of Sciences: Basic and Applied Research (IJSBAR)*, 26(3), pp. 246–251.
- Oboh, G., Akinyemi, A. J. and Ademiluyi, A. O. (2012) 'Antioxidant and inhibitory effect of red ginger (*Zingiber officinale* var. *Rubra*) and white ginger (*Zingiber officinale* Roscoe) on Fe 2+ induced lipid peroxidation in rat brain in vitro', *Experimental and Toxicologic Pathology*. Elsevier GmbH., 64(1–2), pp. 31–36. doi: 10.1016/j.etp.2010.06.002.
- Paratmanitya, Y., Hadi, H. and Susetyowati (2012) 'Citra tubuh , Asupan Makan , Dan Status Gizi Wanita Usia Subur Pranikah', *Jurnal Gizi Klinik Indoensia*, 8(3), pp. 126–134.

ti, V. R. *et al.* (2017) 'Review Article Honey , Propolis , and Royal Jelly : A Comprehensive Review of Their Biological Actions and Health Benefits', *Integrative Medicine and Cellular Longevity*, 2017, p. 21.



- Pavel, C. I. *et al.* (2014) 'Comparison between local and commercial royal jelly - Use of antioxidant activity and 10-hydroxy-2-decenoic acid as quality parameter', *Journal of Apicultural Research*, 53(1), pp. 116–123. doi: 10.3896/IBRA.1.53.1.12.
- Pavel, I. *et al.* (2011) 'Biological Activities of Royal Jelly - Review', *Scientific Papers: Animal Science and Biotechnologies*, 44(2).
- Permatasari, A. E., Raya, I., *et al.* (2020) 'Kandungan Bee Bread : Hasil Uji Fitokimia Dan FTIR Pada Bee Bread Sebagai Preliminary Data Suplemen Wanita Prakonsepsi', *Jurnal Keperawatan Muhammadiyah*, pp. 44–48.
- Permatasari, A. E. (2020) *Pengaruh Suplementasi Ginger Honey Dan Cocktail Honey Terhadap Kadar Kortisol Pada Mencit Betina Balb/c Yang Mengalami Stres*. Hasanuddin University.
- Permatasari, A. E., Usman, A. N., *et al.* (2020) 'The effect of ginger honey and cocktail honey supplementation on cortisol levels in balb/c female mice induced stress', *International Journal of Psychosocial Rehabilitation*, 24(4), pp. 5533–5540. doi: 10.37200/IJPR/V24I4/PR201648.
- Puli, T. *et al.* (2014) 'Hubungan Sosial Ekonomi Dengan Kekurangan Energi Kronik Pada Wanita Prakonsepsi Di Kota Makassar', *Fakultas Ilmu Gizi Fakultas Kesehatan Masyarakat Universitas Hasanuddin*, pp. 1–7.
- Putra, H. S., Astuti, W. and Kartika, R. (2018) 'Aktivitas Amilase, Protase dan Lipase Dari Madu Lebah Trigona sp, Apis, Apis mellifera dan Apis dorsata', *Jurnal Kimia Mulawarman*, 16(November), pp. 27–31.
- Rahma, S. *et al.* (2014) 'Pengaruh Antioksidan Madu Dorsata dan Madu Trigona Terhadap Penghambatan Oksidasi LDL Pada Mencit Hiperkolesterolemia', *JST Kesehatan*, 4(4), pp. 377–384.
- Rajabzadeh, A. *et al.* (2015) 'Honey and Vitamin E Restore the Plasma Level of Gonadal Hormones and Improve the Fertilization Capacity in Noise-Stressed Rats', 2(2), pp. 64–68.



- V., Kumarathevan, *et al.* (2016) 'Biological and therapeutic effects of honey produced by honey bees and stingless bees: a comparative review', *Revista Brasileira de Farmacognosia*. Sociedade Brasileira de Farmacognosia, pp. 1–8. doi: 10.1016/j.bjp.2016.01.012.

- Rao, P. V., Krishnan, K. T., *et al.* (2016) 'Biological and therapeutic effects of honey produced by honey bees and stingless bees: A comparative review', *Brazilian Journal of Pharmacognosy*. Sociedade Brasileira de Farmacognosia, 26(5), pp. 657–664. doi: 10.1016/j.bjp.2016.01.012.
- Rehman, R. *et al.* (2011) 'Zingiber officinale Roscoe (pharmacological activity)', *Journal of Medicinal Plants Research*, 5(3), pp. 344–348.
- Ridho, E. Al (2013) *Uji Aktivitas Antioksidan Ekstrak Metanol Buah Lakum (Cayratia Trifolia) Dengan Metode DPPH (2,2-Difenil-1-Pikrilhidrazil*. Universitas Tanjungpura.
- Rosyidi, D. *et al.* (2018) 'Perbandingan Sifat Antioksidan Propolis pada Dua Jenis Lebah(Apis mellifera dan Trigona sp .) di Mojokerto dan Batu, Jawa Timur, Indonesia', *Jurnal Ilmu dan Teknologi Hasil Ternak*, 13(2), pp. 108–117.
- Samarghandian, S., Afshari, I. J. T. and I, I. I. S. D. (2011) 'Chrysin reduces proliferation and induces apoptosis in the human prostate cancer cell line pc-3', *CLINICS*, 66(6), pp. 1073–1079. doi: 10.1590/S1807-59322011000600026.
- Sari, S. (2013) *Formulasi Dan Evaluasi Kestabilan Fisik Krim Body Scrub Teung Beras (Oryza sativa) Dengan Bahan Aktif Liofilisat Ekstrak Air Bee Bread*. Hasanuddin University.
- Šarić, G. *et al.* (2012) 'Changes of Antioxidant Activity and Phenolic Content in Acacia and Multifloral Honey During Storage', *Food Technology and Biotechnology*, 50(4), pp. 434–441.
- Semuel, M. Y., Kaunang, E. S. N. and Manoppo, J. S. S. (2019) *Potensi Bioaktif dari Apis dorsata Binghami , Lebah Madu endemik Sulawesi*. Manado: CV. MENTARI JAYA.
- Ben Sghaier, M. *et al.* (2011) 'Flavonoids and sesquiterpenes from Tecurium ramosissimum promote antiproliferation of human cancer cells and enhance antioxidant activity: A structure-activity relationship study', *Environmental Toxicology and Pharmacology*. Elsevier B.V., 32(3), pp. 336–348. doi: 10.1016/j.etap.2011.07.003.

M. da *et al.* (2015) 'Honey: Chemical composition, stability and authenticity', *FOOD CHEMISTRY*. Elsevier Ltd. doi: 10.1016/j.foodchem.2015.09.051.



- Sobral, F. *et al.* (2017) 'Flavonoid composition and antitumor activity of bee bread collected in Northeast Portugal', *Molecules*, 22(2), pp. 1–12. doi: 10.3390/molecules22020248.
- Stagos, D. *et al.* (2018) 'Antibacterial and antioxidant activity of different types of honey derived from Mount Olympus in Greece', *International Journal of Molecular Medicine*, 42(2), pp. 726–734. doi: 10.3892/ijmm.2018.3656.
- Sumarlin, L. O. *et al.* (2015) 'Aktivitas Antioksidan Kombinasi Madu Monoflora dengan Ekstrak Daun Namnam (*Cynometra cauliflora* L.)', *ALCHEMY: Journal of Chemistry*, 6(1), pp. 10–17. doi: 10.18860/al.v4i1.3176.
- Sumarni, S. (2017) 'Model sosio ekologi perilaku kesehatan dan pendekatan Continuum of care untuk menurunkan angka kematian ibu', *The Indonesian journal of public health*, (August), pp. 129–141. doi: 10.20473/ijph.v12i1.2017.129.
- Suryani, C. L. (2012) 'Optimasi Metode Ekstraksi Fenol Dari Rimpang Jahe Empirit', *Jurnal AgriSains*, 3(4), pp. 63–70.
- Susanti, T. M. I. and Panunggal, B. (2015) 'Analisis Antioksidan, Total Fenol Dan Kadar Kolesterol Pada Kuning Telur Asin Dengan Penambahan Ekstrak Jahe', *Journal of Nutrition College*, 4(4), pp. 636–644. doi: 10.14710/jnc.v4i4.10173.
- Tartibian, B. and Maleki, B. H. (2012) 'The Effects of Honey Supplementation on Seminal Plasma Cytokines, Oxidative Stress Biomarkers, and Antioxidants During 8 Weeks of Intensive Cycling Training', *Journal of Andrology*, 33(3), pp. 449–461. doi: 10.2164/jandrol.110.012815.
- Umami, N., Raya, I., Usman, A. N., Azizah, N., *et al.* (2020) 'Hasil Uji Fitokimia : Kandungan Royal Jelly Apis Mellifera Sebagai Persiapan Suplemen Prakonsepsi', *Jurnal Keperawatan Muhammadiyah*, pp. 68–72.
- Umami, N., Raya, I., Usman, A. N., Wahyuddin, E., *et al.* (2020) *Pengaruh Suplementasi Ginger Honey dan Cocktail Honey Terhadap kadar Glutation Pada Mencit Betina Balb/c yang Mengalami Stress*. Hasanuddin University.



. T. (2018) *Pengaruh Penambahan Level Madu Dan Lama Penyimpanan g Berbeda Terhadap Karakteristik Organoleptik Telur Cair Konsumsi*. ersitas Hasanuddin.

Wiendarlina, I. Y. *et al.* (2019) 'Perbandingan Aktivitas Antioksidan Jahe Empirit(*Zingiber officinale* var *Amarum*) Dan Jahe Merah (*Zingiber officinale* var *Rubrum*) Dalam Sediaan Cair Berbasis Bawang Putih Dan Kolerasinya Dengan Kadar Fenol Dan Vitamin C', *Jurnal Fitofarmaka Indonesia*, 6(1), pp. 315–324.

Zuluaga, C. M., Serrato, J. C. and Quicazan, M. C. (2015) 'Chemical , Nutritional and Bioactive Characterization of Colombian Bee-Bread', *The Italian Association og Chemical Engineering*, 43, pp. 175–180. doi: 10.3303/CET1543030.



Optimization Software:
www.balesio.com

CURRICULUM VITAE

A. Data Pribadi

1. Nama : Riska Reviana
2. Tempat, tgl. Lahir : Jakarta, 23 Agustus 1994
3. Alamat : Perum. BTP Blok K No. 1, Tamalanrea, Kota Makassar
4. Status sipil : Belum Menikah

B. Riwayat Pendidikan

1. Pendidikan Formal :
 - Tamat SD tahun 2005 di SD Negeri Percontohan 02 Meruya Utara
 - Tamat SLTP tahun 2012 di SMP Sumpah Pemuda Jakarta
 - Tamat SLTA tahun 2013 di SMA Negeri 16 Jakarta
 - Tamat Dimploma 3 Kebidanan tahun 2016 di Politeknik Kesehatan Kementerian Kesehatan Jakarta 3 Program Studi Harapan Kita
2. Pendidikan Non Formal :
 - Pelatihan APN tahun 2016

C. Pekerjaan dan Riwayat Pekerjaan

- Pegawai Magang Puskesmas Kecamatan Cengkareng Jakarta 2016
- Pegawai di Praktek Bidan Swasta 2017



LAMPIRAN



Gambar 1. Jahe emprit sebanyak 15 kg



Gambar 4. *Bee Bread*



Gambar 2. Madu *Trigona Sp.*



Gambar 5. Pencucian Jahe



Gambar 3. *Royal Jelly*



Gambar 6. Pengirisan Jahe





Gambar 7. Pengeringan Jahe



Gambar 10. Penyaringan Setelah Maserasi Sebelum Dilakukan Evaporasi



Gambar 8. Penimbangan Jahe Sebelum Maserasi



Gambar 11. Menghomogenkan Bahan Jahe dan Madu menjadi *Cocktail Honey*



9. Maserasi Selama 4 hari



Gambar 12. Ginger Honey



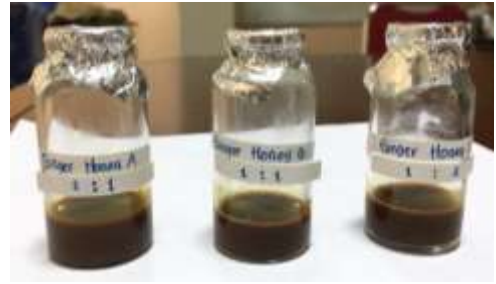
Gambar 13. Proses menghomogenkan bahan Bee Bread, Royal Jelly, Madu



Gambar 14. Cocktail Honey



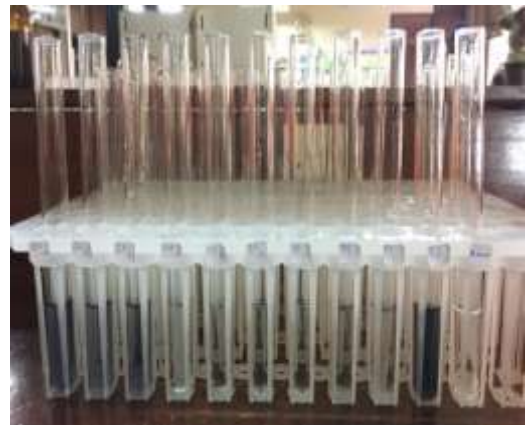
15. Cocktail Honey dengan andingan



Gambar 16. Ginger Honey Dengan Tiga Perbandingan



Gambar 16. Proses Pelarutan Sampel dengan Air Panas




Gambar 17. Sampel dengan penambahan pereaksi sebelum masuk alat spectronic 20D+



Gambar 18. Alat Spectronic 20D+

Tabel 1. Hasil Olahdata produk *cocktail honey* Uji DPPH dengan pengujian simplo

	LABORATORIUM BIOKIMIA		
	FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM		
	UNIVERSITAS HASANUDDIN		
Kampus UNHAS Tamalanrea, Jl. Perintis Kemerdekaan KM. 10, Makassar, 90245			
Telp. 0411-586498, 0411-586200 Ext. 1092			
HASIL ANALISIS			
Nama/NIM	: Riska Reviana/P102182016		
Asal Institusi	:		
Jenis Sampel	: Cocktail Honey		
Jumlah	: 1 (Satu) Triplo		
Analisis	: Antioksidan (IC-50)		
1. SIMPLO			
No	Konsentrasi (µg/mL)	Absorbansi (A) λ = 515 nm	Aktivitas Antioksidan (%)
1	200	0,431	0,46
2	400	0,417	3,70
3	800	0,390	9,93
4	1600	0,355	18,01
5	3200	0,271	37,41
6	kontrol	0,433	
No	Konsentrasi (µg/mL)	Aktivitas Antioksidan (%)	Nilai IC-50 (µg/mL)
1	200	0,46	4220,5041
2	400	3,70	
3	800	9,93	
4	1600	18,01	
5	3200	37,41	

Tabel 2. Hasil Olahdata produk *cocktail honey* Uji DPPH dengan pengujian duplo

2. DUPLO			
No	Konsentrasi (µg/mL)	Absorbansi (A) λ = 515 nm	Aktivitas Antioksidan (%)
1	200	0,426	0,47
2	400	0,422	1,40
3	800	0,396	7,48
4	1600	0,356	16,82
5	3200	0,288	32,71
6	kontrol	0,428	
No	Konsentrasi (µg/mL)	Aktivitas Antioksidan (%)	Nilai IC-50 (µg/mL)
1	200	0,47	4710,0636
2	400	1,40	
3	800	7,48	
4	1600	16,82	
5	3200	32,71	



Tabel 3. Hasil Olahdata produk *cocktail honey* Uji DPPH dengan pengujian Triplo

3. TRIPLO			
No	Konsentrasi ($\mu\text{g/mL}$)	Absorbansi (A) $\lambda = 515 \text{ nm}$	Aktivitas Antioksidan (%)
1	200	0,416	5,88
2	400	0,406	8,14
3	800	0,390	11,76
4	1600	0,350	20,81
5	3200	0,290	34,39
6	kontrol	0,442	

No	Konsentrasi ($\mu\text{g/mL}$)	Aktivitas Antioksidan (%)	Nilai IC-50 ($\mu\text{g/mL}$)
1	200	5,88	4802,7263
2	400	8,14	
3	800	11,76	
4	1600	20,81	
5	3200	34,39	

Tabel 4. Hasil uji DPPH dari produk *cocktail honey*

 LABORATORIUM BIOKIMIA FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM UNIVERSITAS HASANUDDIN Kampus UNHAS Tamalanrea, Jl. Perintis Kemerdekaan KM. 10, Makassar, 90245 Telp. 0411-586498, 0411-586200 Ext. 1092				
HASIL ANALISIS				
Nama/NIM	: Riska Reviana/P102182016			
Asal Institusi	:			
Jenis Sampel	: Cocktail Honey			
Jumlah	: 1 (satu) Triplo			
Analisis	: Antioksidan (IC-50)			
Kode Sampel	IC 50 (ppm)			Kategori
	Simple	Duplo	Triplo	
Cocktail Honey	4220,5041	4710,0636	4802,7263	4577,7647 Sangat lemah
				Makassar, 29 Juni 2020 PLP Lab. Biokimia
				Mahdalia, S.Si, M.Si 19750826 199601 2 001

Tabel 5. Hasil Olahdata Total Fenol Dengan pengujian simple


Nama/NIM		: Riska Reviana/P102182016				
Asal Institusi		:				
SIMPLE						
Kode sampel	Absorbansi	FP	Asam Galat terukur (mg/mL)	Massa Sampel (g)	Volume pelarut air panas (mL)	mg ekivalen asam galat/g sampel
Ginger Honey A	0,71	10	0,66581	0,05	10	133,1628
Ginger Honey B	0,49	10	0,44939	0,05	10	89,8770
Ginger Honey C	0,594	10	0,55170	0,05	10	110,3394
Cocctal Honey A	0,14	10	0,10507	0,05	10	21,0133
Cocctal Honey B	0,135	10	0,10015	0,05	10	20,0295
Cocctal Honey C	0,17	10	0,13458	0,05	10	26,9159
Honey	0,096	10	0,06178	0,05	10	12,3561
Bee Bread	0,215	10	0,17685	0,05	10	35,3698
Royal Jelly	0,157	10	0,12179	0,05	10	24,3581
Ekstrak Jahe	1,28	10	1,22656	0,05	10	245,3123



Tabel 6. Hasil Olahdata Total Fenol Dengan pengujian Duplo

DUPLO									
Kode sampel	Abstraksi	FP	Asam Galat terukur (mg/mL)	Massa Sampel (g)	Volume pelarut air panas (mL)	mg ekivalen asam galat/g sampel	Asam Galat terukur (mg/mL) Rerata	mg ekivalen asam galat/g sampel Rerata	
Ginger Honey A	0,705	10	0,6690	0,05	10	132,1791	0,6634	132,67	
Ginger Honey B	0,476	10	0,4530	0,05	10	87,1225	0,4425	88,59	
Ginger Honey C	0,589	10	0,54678	0,05	10	109,3516	0,5492	109,85	
Coctail Honey A	0,157	10	0,11487	0,05	10	23,3745	0,1110	22,19	
Coctail Honey B	0,155	10	0,10015	0,05	10	20,0295	0,1001	20,05	
Coctail Honey C	0,174	10	0,13651	0,05	10	27,3029	0,1365	27,31	
Honey	0,09	10	0,05388	0,05	10	11,1759	0,0588	11,77	
Bee Bread	0,21	10	0,17395	0,05	10	34,7901	0,1764	35,28	
Royal Jelly	0,15	10	0,11490	0,05	10	22,9808	0,1183	23,67	
Ekstrak Jahe	1,263	10	1,20984	0,05	10	241,9675	1,2182	243,64	
									Makassar, 17 Juli 2020
									PLP Lab. Biokimia
									Mahdalia, S.Si., M.Si.
									19750826 199601 2 001

Tabel 7. Hasil Uji Total Fenol

	LABORATORIUM BIOKIMIA	
	FAKULTAS MATEMATIKA DAN ILMU PENGETAHUAN ALAM	
	UNIVERSITAS HASANUDDIN	
	Kampus UNHAS Tamalanrea, Jl. Perintis Kemerdekaan KM. 10, Makassar, 90245	
	Telp. 0411-586498, 0411-586200 Ext. 1092	
HASIL ANALISIS		
Nama/NIM	: Riska Reviana/P102182016	
Asal Institusi	:	
Jenis Sampel	:	
Jumlah	: 10 (Sepuluh)	
Analisis	: Kadar Polifenol (Asam Galat)	
Kode Sampel	Asam Galat terukur Rerata (mg/mL)	mg ekivalen asam galat/g sampel Rerata
Ginger Honey A	0,6634	132,6709
Ginger Honey B	0,4425	88,4998
Ginger Honey C	0,5492	109,8475
Coctail Honey A	0,1110	22,1938
Coctail Honey B	0,1001	20,0295
Coctail Honey C	0,1365	27,3094
Honey	0,0588	11,7659
Bee Bread	0,1764	35,2779
Royal Jelly	0,1183	23,6695
Ekstrak Jahe	1,2182	243,6399
		Makassar, 17 Juli 2020
		PLP Lab. Biokimia
		Mahdalia, S.Si., M.Si.
		19750826 199601 2 001





KEMENTERIAN PENDIDIKAN DAN KEBUDAYAAN
UNIVERSITAS HASANUDDIN
SEKOLAH PASCASARJANA

Jl. PERINTIS KEMERDEKAAN KM. 10 MAKASSAR 90245 TELP. : (0411) 585034, 585036 FAX.: (0411) 585868
E-mail : info@pasca.unhas.ac.id

Makassar, 18 Juni 2020

Hal : Permohonan Izin

Lampiran :-

Kepada Yth. Kepala Laboratorium Biokimia Universitas Hasanuddin
Di Makassar

Assalamu'alaikum Warahmatullahi Wabarakatuh

Saya yang bertanda tangan dibawah ini :

Nama	NIM	Judul
Riska Reviana	P102182016	Analisis Uji Antioksidan Dengan DPPH pada kandungan Ginger Honey dan Cocktail Honey Sebagai Suplemen Wanita Prakonsepsi

Selaku mahasiswa Program Studi Kebidanan Pascasarjana Universitas Hasanuddin, sekiranya memohon ijin untuk melakukan kegiatan evaporasi produk *Cocktail Honey* dan *Ginger Honey* dan pengujian DPPH pada produk tersebut di Laboratorium Biokimia Universitas Hasanuddin.

Demikian surat ini saya sampaikan dan dapat digunakan sebagaimana mestinya. Atas perhatian Bapak/Ibu, saya ucapkan terimakasih.

Wassalamu'alaikum Warahmatullahi Wabarakatuh

Mahasiswa,

Riska Reviana

Menaetahui,
Pembimbing Utama,

Dr. Andi Nilawati Usman, SKM.,M.Kes



9. Surat Permohonan Izin Kepada Lab. Biokimia UNHAS

1 July 2020

To: First Author (Riska Reviana)

Letter of Acceptance

I have pleasure to inform that your paper titled "**ANALYSIS OF ANTIOXIDANT ACTIVITY TEST USED DPPH ON COCKTAIL HONEY PRODUCTS AS FEMALE PRECONCEPTION SUPPLEMENTS**" has been accepted for publication in the IJCRR indexed in SCOPUS. We have received your edited and improved paper. Your paper will be issued on **December 2020** issue.

Yours sincerely,
Editor-in-Chief Prof. Dr Sachin Ingle
MIMSR Medical College, Maharashtra, India.
<https://www.ijcrr.com>

Address for Correspondence :
Radiance Research Academy (Regd.)
148, IMSR Building, Ayurvedic Layout, Near NIT Complex, Sakardara, Nagpur-24
Maharashtra State, India

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20. Surat LoA (Penerimaan Submit Jurnal)