

DAFTAR PUSTAKA

- Adonogianki E, Moonoey J, Docherty JP, Kinane DF : Gingival crevicular stromelysin, collagenase and tissue inhibitor of methaloprotenases levels in healthy and disease sites. 1995 ; 22(7) 505-509
- Agarwal G, Vemanaradhya, G.G, MehtaD.S, : Evaluation of chemical composition and efficacy of Chinese propolis extract on *Porphyromonas gingivalis* and *Aggregatibacter actinomycetemcomitans*: An in vitro study, *Contemporary Clinical Dentistry*, 2021;3(3): 256-61.
- Butt, M.S dan Sultan, M.T., 2009, Green Tea: Nature's Defense against Malignancies, *Critical Reviews in Food Science and Nutrition*, 49:463–473.
- Boone, D.R., Castenholtz, R.W., 2002, Bargey's manual of systematic bacteriology, 2nd ed. Vol.1., Springer-Verlag, New York.
- Borrelli, F., Maffia, P., Pinto, L., Ianaro, A., Russo, A., Capasso, F., *et al*, 2002, Phytochemical compounds involved in the anti-inflammatory effect of propolis extract, *Fitoerapia*, 73: 53-63.
- Carranza F, Rapley J, Haake S. Gingival Inflammation. In: Carranza F, Newman M, Takei H, editors. *Carranza's Clinical Periodontology* 9th Edition2. Philadelphia: W.B. Saunders Company; 2002. p. 263–8.
- Carranza, F.A., Takei, H.H., 2012, The Treatment Plan, dalam dalam Newman, M.G., Takei, H.H., Klokkevold, P.R., Carranza, F.A.: *Carranza's Clinical Periodontology*, 11th ed., p:385, Elsevier saunders Inc., Missouri.
- Castaldo, S., Capasso, F., 2002, Propolis, an old remedy used in modern medicine, *Fitoterapia*, 73(1): 1-6.
- Chen, Y., 1993, Apiculture in China, 1st ed., *Agricultural Publishing House*. 96-7.
- Ciancio, S., Mariotti, A., 2012, Antiinfective Therapy, dalam Newman, M.G., Takei, H.H., Klokkevold, P.R., Carranza, F.A.: *Carranza's Clinical Periodontology*, 11th ed., pp:483-84, Elsevier saunders Inc., Missouri.
- Coutinho, A., 2012, Honeybee propolis extract in periodontal treatment. A clinical and microbiological study of propolis in periodontal treatment, *Indian J Dent Res*, 23: 294-99.

- Choi JH, Chang HW, Rhee SJ, Effect of green tea catechin on arachidonic acid cascade in chronic cadmium-poisoned rats. *Asia Pasific J Clin Nutr.* 2002;11(4): p.292-297.
- Couper KN, Blount DG, and Riley EM. IL-10: The Master Regulator of Immunity to Infection. *The Journal of Immunology.* 2008; 180(9): 5771-5777.
- Chacko SM, Thambi PT, Kuttan R, Nishigaki I. Beneficial effects of green tea: A literature review. *Chinese Medicine.*2010;5(13):2.
- Damayanthi dkk. 2008. Studi Kandungan Katekin dan Turunannya sbagai Anti Oksidan Alami serta Karakteristik Organoleptik Produk Teh Murbei dan Teh Camellia-Murbei. Jurusan Gizi Masyarakat. FEMA. IPB. Bogor. Jurnal.
- Davies RM, Fotinos Panagakos. *Gingival Disease, Their Aetiology, Prevention, and Treatment.* Rijeka, Croatia: InTech; 2011. 55 p.
- Dobrowolski, J.W., Vohora, S.B., Sharma, K., Shah, S.A., Naqvi, S.A.H., Dandiya, P.C., 1991, Antibacterial, antifungal, antiamoebic, anti-inflammatory, and antipyretic studies on propolis bee products, *J Ethnopharmacol*, 35: 77-82.
- Dona, M., Dell'Aica, I., Calabrese, F., Benelli, R., Morini, M., Albini, A., Garbisa, S., 2003, Neutrophil Restraint by Green Tea : Inhibitor of Inflammation, associated angiogenesis, and pulmonary fibrosis., *Journal Immunology*, 15;170(8):4335-41.
- Dzink, J.L., Socransky, S.S., Haffajee, A.D., 1988, The predominant cultivable microbiota of active and inactive lesions of destructive periodontal diseases, *J. Clin. Periodontol.*, 15: 316-23.
- Ezzo, P.J., Cutler, C.W., 2003, Microorganisms as risk indicators for periodontal disease, *J Periodontol* 2000, 32: 24-35.
- Fajriani, Djide S. Pembuatan Pasta Gigi Katekin Teh Hijau dan Uji Daya Hambat Terhadap Bakteri Streptococcus Mutans Dan Lactobascillus Ascidopillus. *Maj Ked Gi Ind.* 2015 Juni; 1(1): 27-8 16.
- Fajriani, Sartini, Handayani H, Putri DD. Effectiveness of Catechin Extract of Green Tea (*Camellia Sinensis*) on Porphyromonas Gingivalis. *J Dentomaxillofac.* 2021 Apr 01; 6(1): 27-30 17.

- Fajriani, Sartini, Horax S, Malik A, Asmawati, Balqis A. Role of Green Tea Catechins Toothpaste on Transforming Growth Factor- β 1 (TGF- β 1) and Bone Morphogenetic-2 (BMP-2) on Early Childhood Caries. *Sys Rev Pharm*. 2020 Des; 11(12): 42
- Fedarko NS, Jain A, Karadag A, Fisher LW (2004). Three small integrin Binding ligand N- linked glycoproteins (SIBLINGs) bind and activate specific matrix metalloproteinases. *FASEB J* 18:734-736.
- Feng, Z., Weinberg, A., 2006, Role of bacteria in health and disease of periodontal tissues, *Periodontology* 2000, 40: 50-76.
- Fisher LW, Fedarko NS (2003). Six genes expressed in bones and teeth encode the current members of the SIBLING family of proteins. *Connect Tissue Res* 44(Suppl 1):33-40.
- Francis, G.W., Abdelrahman, H.F., Skaug, N., 2002, In vitro antimicrobial effects of crude miswak extracts on oral pathogens, *Saudi Dental J*, 14(1): 26-32.
- Gebara, E.C.E., Lima, L.A., Mayer, M.P.A., 2002, Propolis antimicrobial activity against periodontopathic bacteria, *Braz J Microbiol*, 33(4): 365-9.
- Gemmell, E., Seymour, G.J., 2004, Immunoregulatory control of Th1/Th2 cytokine profiles in periodontal disease, *Periodontol* 2000, 35: 21-41.
- Genco, R.J., 1992, Host responses in periodontal diseases: current concepts, *J Periodontol*, 63: 338-55.
- Gaultier F, *et al.* (2003). Effects of a vegetable extract from *Lupinus albu* (LU105 on the production of matrix metalloproteinases (MMP1, MMP2, MMP9) and tissue inhibitor of metalloproteinases (TIMP1, TIMP2) by human gingival fibroblasts in culture. *Clin Oral Investig* 7:198-205.
- Hajishengallis G. Immunomicrobial pathogenesis of periodontitis: keystones, pathobionts and host response. *Trens in Immunology* 2014;1(35):1-9.
- Hartoyo A. 2003. Teh dan Khasiatnya bagi Kesehatan. Sebuah Tinjauan Pustaka. Jogjakarta. Health effects of ingested fluoride. 1993. <http://www-nap-edu-books-030904975X-gifmid-34gif>. Accessed at January 17,2005
- Hinrichs JE, Novak MJ: Classification of Diseases and Conditions Affecting the Periodontium. Edisi ke-11. St Louis 2012: Elsevier Saunders. hlm: 34-54.

- Ishikawa I, Naguchi K. The roles of coox-2 and PGE2 in periodontal disease. *Periodontology* 2000 2007;1(43):85-102.
- Iskandar P, Ismaniati N. Peran prostaglandin pada pergerakan gigi ortodontik. *Dentofasial* 2010;2(9):91-100.
- Yuanita T, Tedja L, Suryani D, Drismayanti I. Comparison of the Effect of Calcium Hydroxide Combination with Cocoa Pod Husk Extract and Green Tea Extract on Fibroblast and Alp Activation. *Journal of International Dental and Medical Research*. 2021; 14(4): 1466
- King A. *Oral Health – More Than Just Cavities*. Ontario, Canada: Queen’s Printer for Ontario; 2012. 5-9 p.
- Kobayashi R, Watanebe Y, Saito T, Tsuji N, Kono T, dkk. Lacking interleukin-10 regulates the inflammasome driven alveolar bone loss. *Int J Oral-Med Sci* 2020;9(3):184- 192.
- Kumar, N., Shibata, D., Helm, J., Coppola, D., Malata, M., 2007, Green Tea Polyphenols in The Prevention of Colon Cancer, *Frontiers in Bioscience*, 12:2309-2315.
- Kumar K, Reddy R, Babu M, Kumar M. Estimation of prostaglandin E2 levels in gingival crevicular fluid in periodontal health, diseases and after treatment. *Contemporary Clinical Dentistry* 2013;3(4)1-5.
- Lalani I, Bhol K, Ahmed A. Interleukin 10 : biology, role in inflammation and autoimmunity. *ACAAI Journal*;6(79):469-484.
- Mafufatun, Oky P, Hariyanto L, Baktir A. Kadar IL-6 dan IL-10 serum pada tahapan inflamasi di rattus norvegicus yang terinfeksi c.albicans. *Jurnal kedokteran Brawijaya* 2018;1(30):1-6.
- Mathewson, R.J. and Primosch, R.E. : *Fundamentals of Pediatric Dentistry*. 3rd ed., Quintessence Books, Chicago, 1995 p. 89-90
- Mohammed A. The role of prostaglandin in alveolar bone destruction. *Stomatognati* 2011;3(8):170-173.
- Newman M, Takei H, Klokkevold P, Carranza F. *Carranza’s Clinical Periodontology*. 11th Editi. Carranza F, Forrest J, Kenney B, Novak J, Preshaw P, Takei H, et al., editors. Missou: Elsevier Saunders; 2012. 28- 32

- Ogbureke KU, Fisher LW (2004). Expression of SIBLINGs and their partner MMPs In salivary glands. *J Dent Res* 83:664-670.
- Oral Health tidbits. [online] 2004 [cited 2008 Jan 23]. Available from URL: <http://www.nal.usda.gov/wicworks/Topics/oralhealth.pdf>.
- Pihlstrom BL, Michalowicz BS, Johnson NW. Periodontal diseases. *Lancet Semin.* 2005;366(11):1809–15.
- Prasetya. Ekspresi dan peran siklooksigenase-2 dalam berbagai Penyakit di rongga mulut. *Stomatognati* 2015;1(12):16-19.
- Rhee SJ, Kim MJ, Kwag OG, Effects of green tea catechin on prostaglandin synthesis of renal glomerular and renal dysfunction in streptozotocin-induced diabetic rats. *Asian Pacific J. Clin. Nutr.* 2002;11(3):p.232-236.
- Robb CS, Brown PR, 2001. Catechin in tea: chemistry and analysis. In: Brown PR, Grushka E editors, *Advances in Chromatography.*: Marcel Dekker ;2001;p.379-390
- Rees LEN, Wood NAP, Gillespie KM, Lai KN, Gaston K, Mathieson PW. The Interleukin-10- 108 2G/A polymorphism: allele frequency in different populations and functions; significance. *Cell.Mol. Life.Sci* 2002; 59: 560-9
- Sadowski T, *et al* (2003). Matrix metalloproteinase 19 regulates insulin-like Growth factor – mediated proliferation, migration, and adhesion in human keratinocytes through proteolysis of insulin-like growth factor binding protein-3. *Mol Biol Cell* 14:4569-4580.
- Sari R, Prayitno, Fadhilah AN. SNP G-1082A gen IL-10: distribusi alel dan genotip pada pasien periodontitis di Yogyakarta. *Dentika Dental Journal* 2016;2(19):1-4.
- Shimizu, M., Deguchi, A., Joe, A.K., Mickoy, J.F., Moriwaki, H., Weinstein, I.B., 2005, EGCG Inhibits Activation of HER3 and expression of Cyclooxygenase-2 in Human Colon
- Steen E, Wang X, Balaji S, Manish J, dkk. The role of the anti-inflammatory cytokine interleukine-10 in tissue fibrosis. *Advance in Wound Care.* P.1-15.

- Tipoe, G.L., Leung, T.M., Hung, M.W., Fung, M.L., 2007, Green Tea Polyphenols as an Antioxidant and Anti-inflammatory Agent for Cardiovascular Protection., *Cardiovascular Hematological Disorder Drug Targets*, 7 (2) : 135-44.
- Towaha, J. 2013. Kandungan Senyawa Kimia Pada Daun Teh (*Camellia sinensis*). *Warta Penelitian dan Pengembangan Tanaman Industri*. 19(3): 12-16.
- Teronen O., Konttinen Y. T., Lindqvist C., et al. Human neutrophil collagenase MMP-8 in peri-implant sulcus fluid and its inhibition by clodronate. *Journal of Dental Research*. 1997;76(9):1529–1537.
- Yanagama Y, Yamamoto Y, Hara Y and Shimamura T. 2003. A Combination Effect of Epigallocatechin Gallates a major Compound of Green Tea Catechine, with Antibiotic on *Helicobacter Pylory* Growth in vitro. *Current Microbiology*, New York. Vol 47 (3) : 244 – 9.
- Zhang JM, An J. Cytokines, inflammation and pain. *J Int Anesthetical Clinical* 2019;45(2):27-73.

LAMPIRAN



KEMENTERIAN RISET, TEKNOLOGI DAN PENDIDIKAN TINGGI
UNIVERSITAS HASANUDDIN
FAKULTAS KEDOKTERAN GIGI
RUMAH SAKIT GIGI DAN MULUT
KOMITE ETIK PENELITIAN KESEHATAN
Sekretariat : Lantai 2, Gedung Lama RSGM Unhas
JL.Kandea No. 5 Makassar
Contact Person: drg. Muhammad Ikbal, Sp.Prof/Nur Aedah AR TELP. 081342971011/08114919191



REKOMENDASI PERETUJUAN ETIK

Nomor: 0183/PL.09/KEPK FKG-RSGM UNHAS/2021

Tanggal: 17 Desember 2021

Dengan ini menyatakan bahwa protokol dan dokumen yang berhubungan dengan protokol berikut ini telah mendapatkan persetujuan etik:

No. Protokol	UH 17120490	No Protokol Sponsor	
Peneliti Utama	Prof. Dr. Fajriani, drg., M.Si	Sponsor	Pribadi
Judul Peneliti	Peranan Permen Katekin The Hijau terhadap Prostaglandin E2 (PGE2) sebagai Sitokin Pro Inflamatori dan Interleukin-10 (IL-10) sebagai Sitokin Anti Inflamatori pada Penderita Gingivitis Anak		
No. Versi Protokol	I	Tanggal Versi	06 Desember 2021
No. Versi Protokol		Tanggal Versi	
Tempat Penelitian	1. Yayasan Yatama BMKT SULSEL, Panti Asuhan Ar-Rahmah, 2. Laboratorium NEHRI RSUP UNHAS, 3. Laboratorium Farmaka Unhas		
Dokumen Lain			
Jenis Review	<input checked="" type="checkbox"/> Exempted <input type="checkbox"/> Expedited <input type="checkbox"/> Fullboard	Masa Berlaku 17 Desember 2021-17 Desember 2022	Frekuensi Review Lanjutan
Ketua Komisi Etik Penelitian	Nama: Dr. drg. Marhamah, M.Kes	Tanda Tangan 	Tanggal
Sekretaris Komisi Etik Penelitian	Nama: drg. Muhammad Ikbal, Sp.Prof	Tanda Tangan 	Tanggal

Kewajiban peneliti utama:

- Menyerahkan Amandemen Protokol untuk persetujuan sebelum diimplementasikan
- Menyerahkan laporan SAE ke Komisi Etik dalam 24 Jam dan dilengkapi dalam 7 hari dan lapor SUSAR dalam 72 jam setelah peneliti utama menerima laporan.
- Menyerahkan laporan kemajuan (*progress report*) setiap 6 bulan untuk penelitian resiko tinggi dan setiap setahun untuk penelitian resiko rendah.
- Menyerahkan laporan akhir setelah penelitian berakhir.
- Melaporkan penyimpangan dari protokol yang disetujui (*protocol deviation/violation*)
- Mematuhi semua aturan yang berlaku.

Ekstraksi Teh hijau

Dokumentasi hasil penelitian:



Penimbangan serbuk teh hijau



ekstraksi dengan heksan, menggunakan sonikator



Ekstraksi dengan etanol 50% secara maserasi



Penyaringan vakum



Proses penguapan pelarut etanol dengan rotavapour



Ekstrak etanol teh hijau

Penentuan Kadar Total Polifenol dengan pembanding asam gallat

Cara Kerja :

Menurut metode spektrofotometri dengan pereaksi Follin ciocalteu (Sartini et al, 2019)

Dokumentasi Hasil Penelitian :

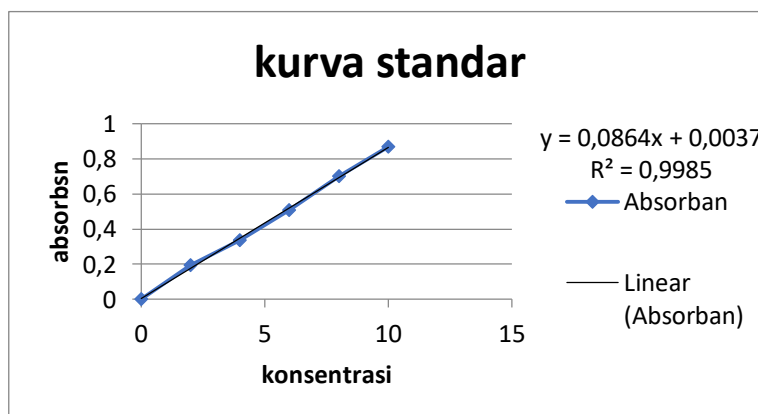


Penimbangan ekstrak 10,6 mg
gallat



larutan sampel dan standar asam
gallat

Nama Sampel	konsentrasi	Absorban
blanko	0,0	0,000
asam galat 1	2,0	0,195
asam galat 2	4,0	0,337
asam galat 3	6,0	0,508
asam galat 4	8,0	0,703
asam galat 5	10,0	0,870



Hasil Pengujian Kadar Total Polifenol Ekstrak teh hijau

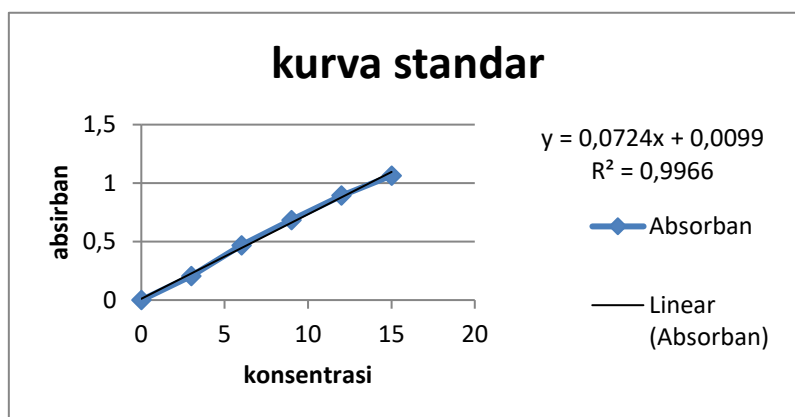
Nama Sampel	Absorban	konsentrasi total polifenol sampel (ppm)	Bobot sampel (mg)	Faktor pengenceran	Kadar total polifenol Sampel (% b/b)	Rerata Kadar total polifenol (%b/b) Dihitung ekivalen asam gallat
Etanol A.1	0,753	8,682	10,9	50,0	39,826	40,073
Etanol A.2	0,762	8,782	10,9	50,0	40,284	
Etanol A.3	0,759	8,744	10,9	50,0	40,110	
Etanol B.1	0,744	8,567	10,7	50,0	40,033	39,857
Etanol B.2	0,739	8,515	10,7	50,0	39,790	
Etanol B.3	0,738	8,506	10,7	50,0	39,748	

Pengujian kadar total tannin dihitung ekivalen epigallokatekin gallat (EGCG)

Metode kerja: Menurut metode spektrofotometri dengan standar EGCG (Sartini etal, 2020)



Nama Sampel	konsentrasi	Absorban
blanko	0,0	0,000
EGCG 1	3,0	0,206
EGCG 2	6,0	0,469
EGCG 3	9,0	0,684
EGCG 4	12,0	0,894
EGCG 5	15,0	1,065



Nama Sampel	Absorban	konsentrasi tanin total (ppm)	Bobot Sampel (mg)	Faktor pengenceran	Kadar total Tanin (%)	Rata-rata Kadar total Tanin (%)
Etanol A.1	0,706	9,779	10,9	50,0	44,858	46,136
Etanol A.2	0,737	10,222	10,9	50,0	46,890	
Etanol A.3	0,733	10,172	10,9	50,0	46,661	
Etanol B.1	0,697	9,654	10,7	50,0	45,112	45,245
Etanol B.2	0,699	9,689	10,7	50,0	45,276	
Etanol B.3	0,700	9,704	10,7	50,0	45,346	

Permen Teh Hijau



Permen Teh Hijau



Permen tanpa teh hijau



Permen teh hijau dalam kemasan

Persiapan Pengambilan sampel saliva

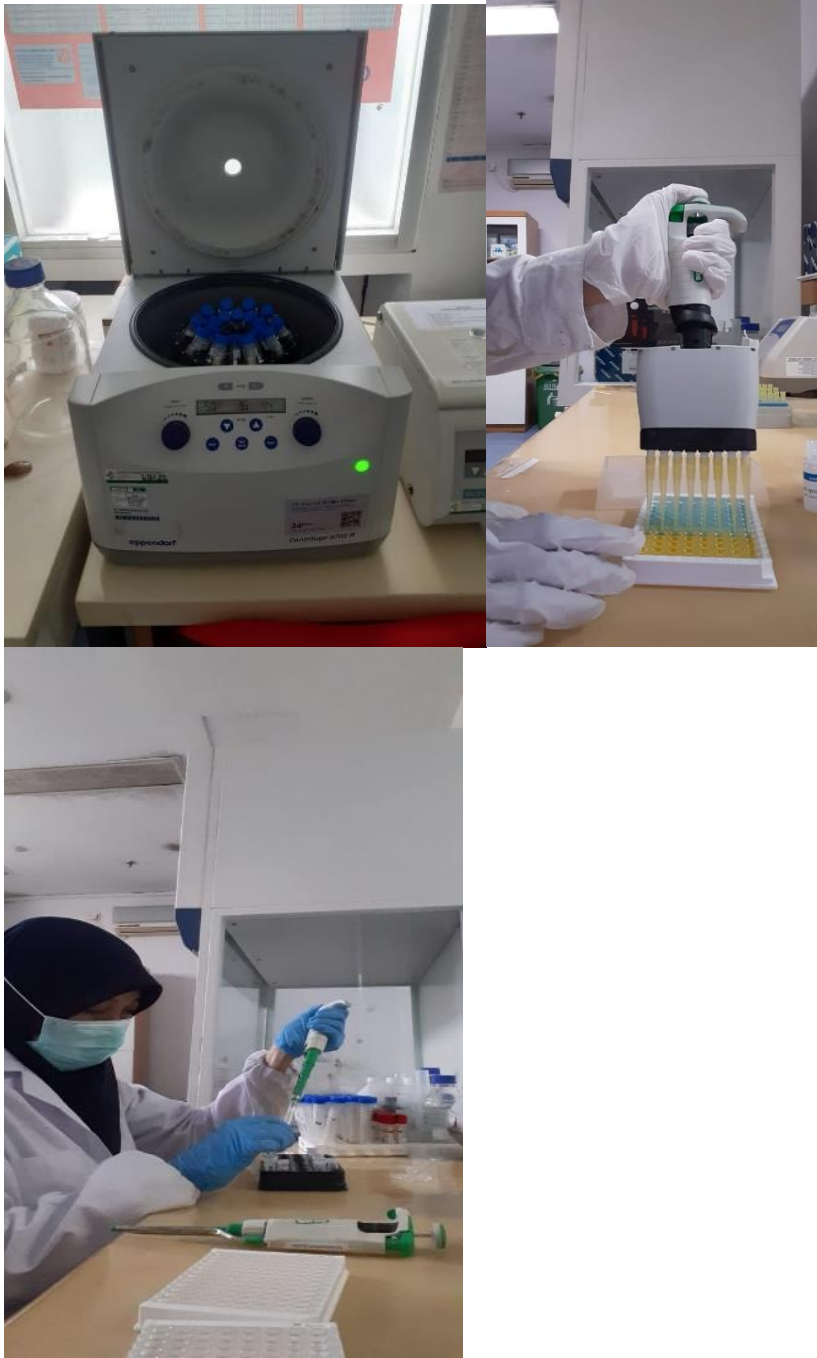
Sampel saliva diambil menggunakan tabung sentrifuge 15 ml, penyimpanan sampel dilokasi pengambilan sampel menggunakan box Marina Coller cap 10 L dan digunakan ice recaplement thermafreeze

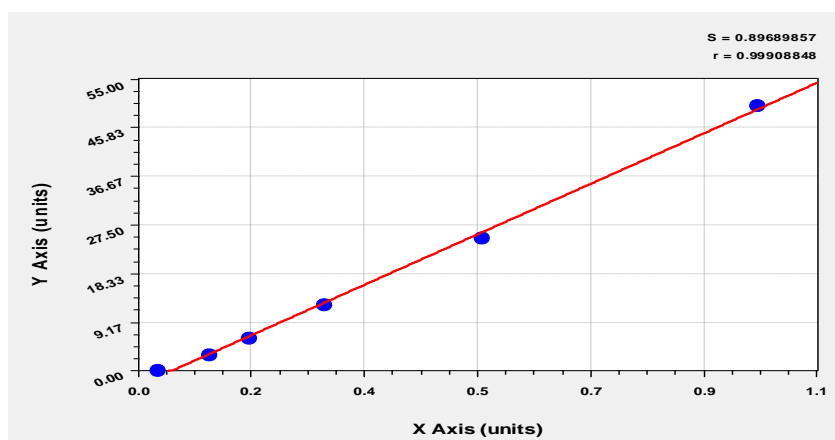


Pengumpulan sampel saliva



Uji sampel saliva IL10 dengan ELISA





QuantitativeCurveFit3

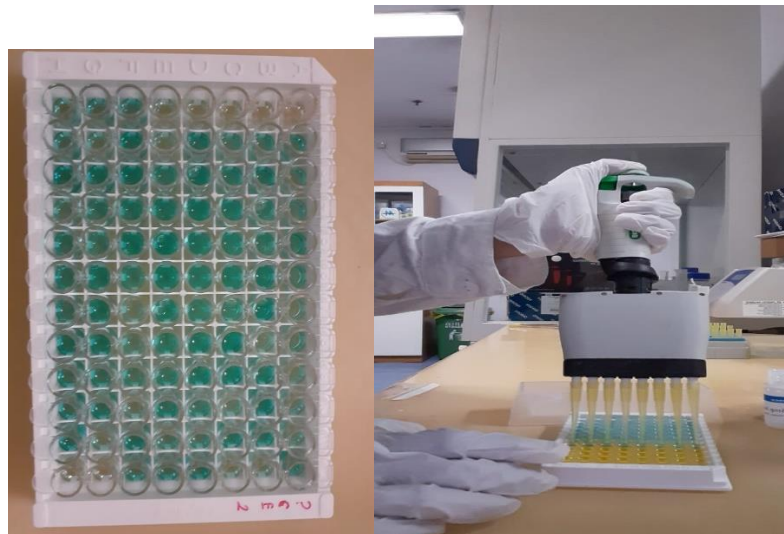
Plate	Well	Group	Type	Sample	Original [Abs]	Result
Plate 1	G01	Assay	Unknown	IA1	0.3464	15.19508
Plate 1	H01	Assay	Unknown	IA2	0.0989	2.218934
Plate 1	A02	Assay	Unknown	IA3	0.6649	31.89368
Plate 1	B02	Assay	Unknown	IA4	0.0658	0.483538
Plate 1	C02	Assay	Unknown	IA5	0.0748	0.955398
Plate 1	D02	Assay	Unknown	IA6	0.2641	10.88019
Plate 1	E02	Assay	Unknown	IA7	0.0929	1.904361
Plate 1	F02	Assay	Unknown	IA8	0.2275	8.961288
Plate 1	G02	Assay	Unknown	IA9	0.0819	1.327643
Plate 1	H02	Assay	Unknown	IA10	0.1085	2.722251
Plate 1	A03	Assay	Unknown	IA11	0.0573	0.037892
Plate 1	B03	Assay	Unknown	IA12	0.1111	2.858566
Plate 1	C03	Assay	Unknown	IA13	0.1059	2.585936
Plate 1	D03	Assay	Unknown	IA14	0.1522	5.013393
Plate 1	E03	Assay	Unknown	IA15	0.0674	0.567424
Plate 1	F03	Assay	Unknown	IIA1	0.3041	12.97734
Plate 1	G03	Assay	Unknown	IIA2	0.1445	4.609691
Plate 1	H03	Assay	Unknown	IIA3	0.3084	13.20278
Plate 1	A04	Assay	Unknown	IIA4	0.0578	0.064107
Plate 1	B04	Assay	Unknown	IIA5	0.0903	1.768046
Plate 1	C04	Assay	Unknown	IIA6	0.0836	1.416772
Plate 1	D04	Assay	Unknown	IIA7	0.0696	0.682768
Plate 1	E04	Assay	Unknown	IIA8	0.0697	0.688011
Plate 1	F04	Assay	Unknown	IIA9	0.1063	2.606908

Plate 1	G04	Assay	Unknown	IIA10	0.0776	1.102199
Plate 1	H04	Assay	Unknown	IIA11	0.0721	0.81384
Plate 1	A05	Assay	Unknown	IIA12	0.1070	2.643608
Plate 1	B05	Assay	Unknown	IIA13	0.0921	1.862418
Plate 1	C05	Assay	Unknown	IIA14	0.0897	1.736588
Plate 1	D05	Assay	Unknown	IIA15	0.0845	1.463958
Plate 1	E05	Assay	Unknown	IIIA1	0.1342	4.069674
Plate 1	F05	Assay	Unknown	IIIA2	0.2175	8.436999
Plate 1	G05	Assay	Unknown	IIIA3	0.0809	1.275214
Plate 1	H05	Assay	Unknown	IIIA4	0.0880	1.647459
Plate 1	A06	Assay	Unknown	IIIA5	0.0691	0.656553
Plate 1	B06	Assay	Unknown	IIIA6	0.1185	3.24654
Plate 1	C06	Assay	Unknown	IIIA7	0.0944	1.983004
Plate 1	D06	Assay	Unknown	IIIA8	0.0811	1.2857
Plate 1	E06	Assay	Unknown	IIIA9	0.0956	2.045919
Plate 1	F06	Assay	Unknown	IIIA10	0.0605	0.205665
Plate 1	G06	Assay	Unknown	IIIA11	0.1553	5.175923
Plate 1	H06	Assay	Unknown	IIIA12	0.1849	6.727818
Plate 1	A07	Assay	Unknown	IIIA13	0.2087	7.975625
Plate 1	B07	Assay	Unknown	IIIA14	0.0795	1.201814
Plate 1	C07	Assay	Unknown	IIIA15	0.0665	0.520238
Plate 1	D07	Assay	Unknown	IB1	0.1151	3.068282
Plate 1	E07	Assay	Unknown	IB2	0.1130	2.958181
Plate 1	F07	Assay	Unknown	IB3	0.1269	3.686943
Plate 1	G07	Assay	Unknown	IB4	0.1004	2.297577
Plate 1	H07	Assay	Unknown	IB5	0.0779	1.117927
Plate 1	A08	Assay	Unknown	IB6	0.0662	0.504509
Plate 1	B08	Assay	Unknown	IB7	0.0574	0.043135
Plate 1	C08	Assay	Unknown	IB8	0.2201	8.573315
Plate 1	D08	Assay	Unknown	IB9	0.0875	1.621245
Plate 1	E08	Assay	Unknown	IB10	0.1330	4.006759
Plate 1	F08	Assay	Unknown	IB11	0.0575	0.048378
Plate 1	G08	Assay	Unknown	IB12	0.1648	5.673997
Plate 1	H08	Assay	Unknown	IB13	0.1657	5.721183
Plate 1	A09	Assay	Unknown	IB14	0.0737	0.897726
Plate 1	B09	Assay	Unknown	IB15	0.1991	7.472308
Plate 1	C09	Assay	Unknown	IIB1	0.2185	8.489428
Plate 1	D09	Assay	Unknown	IIB2	0.1829	6.62296
Plate 1	E09	Assay	Unknown	IIB3	0.1435	4.557262
Plate 1	F09	Assay	Unknown	IIB4	0.0866	1.574059
Plate 1	G09	Assay	Unknown	IIB5	0.0691	0.656553
Plate 1	H09	Assay	Unknown	IIB6	0.0629	0.331494
Plate 1	A10	Assay	Unknown	IIB7	0.0717	0.792868
Plate 1	B10	Assay	Unknown	IIB8	0.1356	4.143074
Plate 1	C10	Assay	Unknown	IIB9	0.1540	5.107765
Plate 1	D10	Assay	Unknown	IIB10	0.1503	4.913779
Plate 1	E10	Assay	Unknown	IIB11	0.0801	1.233271
Plate 1	F10	Assay	Unknown	IIB12	0.0964	2.087862
Plate 1	G10	Assay	Unknown	IIB13	0.0606	0.210908
Plate 1	H10	Assay	Unknown	IIB14	0.0813	1.296186

Plate 1	A11	Assay	Unknown	IIB15	0.1108	2.842838
Plate 1	B11	Assay	Unknown	IIIB1	0.0700	0.703739
Plate 1	C11	Assay	Unknown	IIIB2	0.1601	5.427582
Plate 1	D11	Assay	Unknown	IIIB3	0.0902	1.762803
Plate 1	E11	Assay	Unknown	IIIB4	0.0634	0.357709
Plate 1	F11	Assay	Unknown	IIIB5	0.0902	1.762803
Plate 1	G11	Assay	Unknown	IIIB6	0.0687	0.635582
Plate 1	H11	Assay	Unknown	IIIB7	0.1124	2.926724
Plate 1	A12	Assay	Unknown	IIIB8	0.1231	3.487713
Plate 1	B12	Assay	Unknown	IIIB9	0.0866	1.574059
Plate 1	C12	Assay	Unknown	IIIB10	0.0575	0.048378
Plate 1	D12	Assay	Unknown	IIIB11	0.1898	6.984719
Plate 1	E12	Assay	Unknown	IIIB12	0.1272	3.702671
Plate 1	F12	Assay	Unknown	IIIB13	0.1120	2.905752
Plate 1	G12	Assay	Unknown	IIIB14	0.0821	1.338129
Plate 1	H12	Assay	Unknown	IIIB15	0.0579	0.06935

Pemeriksaan sampel saliva dengan PGE2





QuantitativeCurveFit2

Plate	Well	Group	Type	Sample	Original [Abs]	Result
Plate 1	F01	Assay	Unknown	Blank_0001 1/1	1.5460	195893.8
Plate 1	G01	Assay	Unknown	Un_0001 1/1	1.3559	146418.9
Plate 1	H01	Assay	Unknown	Un_0002 1/1	0.9707	68345.1
Plate 1	A02	Assay	Unknown	Un_0003 1/1	1.6951	239759.3
Plate 1	B02	Assay	Unknown	Un_0004 1/1	1.3871	154042.8
Plate 1	C02	Assay	Unknown	Un_0005 1/1	1.2584	123850.1
Plate 1	D02	Assay	Unknown	Un_0006 1/1	1.9666	331063
Plate 1	E02	Assay	Unknown	Un_0007 1/1	0.6244	23506.41
Plate 1	F02	Assay	Unknown	Un_0008 1/1	2.0008	343610.5
Plate 1	G02	Assay	Unknown	Un_0009 1/1	0.8302	47259.61
Plate 1	H02	Assay	Unknown	Un_0010 1/1	1.3020	133707.2
Plate 1	A03	Assay	Unknown	Un_0011 1/1	1.2509	122192.8
Plate 1	B03	Assay	Unknown	Un_0012 1/1	1.8295	283113.2
Plate 1	C03	Assay	Unknown	Un_0013 1/1	1.6020	211847.3
Plate 1	D03	Assay	Unknown	Un_0014 1/1	2.1331	394354
Plate 1	E03	Assay	Unknown	Un_0015 1/1	1.4797	177817.3
Plate 1	F03	Assay	Unknown	Un_0016 1/1	2.1217	389843.6
Plate 1	G03	Assay	Unknown	Un_0017 1/1	1.9386	320964.5
Plate 1	H03	Assay	Unknown	Un_0018 1/1	2.1264	391700
Plate 1	A04	Assay	Unknown	Un_0019 1/1	1.4363	166460.9
Plate 1	B04	Assay	Unknown	Un_0020 1/1	1.4307	165023.1
Plate 1	C04	Assay	Unknown	Un_0021 1/1	1.7495	256871.8
Plate 1	D04	Assay	Unknown	Un_0022 1/1	1.9194	314130.5
Plate 1	E04	Assay	Unknown	Un_0023 1/1	1.7672	262567.3
Plate 1	F04	Assay	Unknown	Un_0024 1/1	1.6319	220622.4
Plate 1	G04	Assay	Unknown	Un_0025 1/1	1.4091	159535.8
Plate 1	H04	Assay	Unknown	Un_0026 1/1	1.0192	76541.06
Plate 1	A05	Assay	Unknown	Un_0027 1/1	2.0054	345316

Plate 1	B05	Assay	Unknown	Un_0028 1/1	1.5259	190320.7
Plate 1	C05	Assay	Unknown	Un_0029 1/1	1.5969	210368.4
Plate 1	D05	Assay	Unknown	Un_0030 1/1	1.7808	266986.2
Plate 1	E05	Assay	Unknown	Un_0031 1/1	2.1607	405381.6
Plate 1	F05	Assay	Unknown	Un_0032 1/1	1.9515	325597.5
Plate 1	G05	Assay	Unknown	Un_0033 1/1	1.2796	128595.5
Plate 1	H05	Assay	Unknown	Un_0034 1/1	1.5903	208462.3
Plate 1	A06	Assay	Unknown	Un_0035 1/1	1.5895	208231.9
Plate 1	B06	Assay	Unknown	Un_0036 1/1	1.9911	340027.9
Plate 1	C06	Assay	Unknown	Un_0037 1/1	1.7275	249880
Plate 1	D06	Assay	Unknown	Un_0038 1/1	1.6245	218434
Plate 1	E06	Assay	Unknown	Un_0039 1/1	1.9215	314874.3
Plate 1	F06	Assay	Unknown	Un_0040 1/1	1.3487	144687.3
Plate 1	G06	Assay	Unknown	Un_0041 1/1	1.8152	278328.5
Plate 1	H06	Assay	Unknown	Un_0042 1/1	1.6182	216579.5
Plate 1	A07	Assay	Unknown	Un_0043 1/1	0.9690	68066.36
Plate 1	B07	Assay	Unknown	Un_0044 1/1	2.0988	380861.9
Plate 1	C07	Assay	Unknown	Un_0045 1/1	1.2360	118933.8
Plate 1	D07	Assay	Unknown	Un_0046 1/1	1.4301	164869.4
Plate 1	E07	Assay	Unknown	Un_0047 1/1	1.7023	241990.2
Plate 1	F07	Assay	Unknown	Un_0048 1/1	0.6998	31225.04
Plate 1	G07	Assay	Unknown	Un_0049 1/1	1.8366	285504
Plate 1	H07	Assay	Unknown	Un_0050 1/1	1.4587	172275.2
Plate 1	A08	Assay	Unknown	Un_0051 1/1	1.4078	159208.5
Plate 1	B08	Assay	Unknown	Un_0052 1/1	0.7516	37187.15
Plate 1	C08	Assay	Unknown	Un_0053 1/1	2.1204	389330.9
Plate 1	D08	Assay	Unknown	Un_0054 1/1	1.6889	237846.6
Plate 1	E08	Assay	Unknown	Un_0055 1/1	1.5266	190513.4
Plate 1	F08	Assay	Unknown	Un_0056 1/1	0.8914	55958.5
Plate 1	G08	Assay	Unknown	Un_0057 1/1	1.8467	288922.4
Plate 1	H08	Assay	Unknown	Un_0058 1/1	1.9516	325633.5
Plate 1	A09	Assay	Unknown	Un_0059 1/1	1.1493	100851.8
Plate 1	B09	Assay	Unknown	Un_0060 1/1	1.7931	271014.5
Plate 1	C09	Assay	Unknown	Un_0061 1/1	1.9251	316151.6
Plate 1	D09	Assay	Unknown	Un_0062 1/1	1.7491	256743.8
Plate 1	E09	Assay	Unknown	Un_0063 1/1	1.3937	155680.5
Plate 1	F09	Assay	Unknown	Un_0064 1/1	1.2572	123584.2
Plate 1	G09	Assay	Unknown	Un_0065 1/1	1.3953	156078.9
Plate 1	H09	Assay	Unknown	Un_0066 1/1	1.4332	165664.2
Plate 1	A10	Assay	Unknown	Un_0067 1/1	1.1187	94829.14
Plate 1	B10	Assay	Unknown	Un_0068 1/1	2.0179	349972
Plate 1	C10	Assay	Unknown	Un_0069 1/1	0.7309	34740.18
Plate 1	D10	Assay	Unknown	Un_0070 1/1	1.3230	138590.7
Plate 1	E10	Assay	Unknown	Un_0071 1/1	1.6386	222613.3
Plate 1	F10	Assay	Unknown	Un_0072 1/1	0.5910	20450.94
Plate 1	G10	Assay	Unknown	Un_0073 1/1	1.6332	221008
Plate 1	H10	Assay	Unknown	Un_0074 1/1	1.6397	222941
Plate 1	A11	Assay	Unknown	Un_0075 1/1	1.1550	101994.4
Plate 1	B11	Assay	Unknown	Un_0076 1/1	1.8523	290826.5
Plate 1	C11	Assay	Unknown	Un_0077 1/1	1.6982	240718.5

Plate 1	D11	Assay	Unknown	Un_0078 1/1	1.0672	85116.07
Plate 1	E11	Assay	Unknown	Un_0079 1/1	0.9921	71903.43
Plate 1	F11	Assay	Unknown	Un_0080 1/1	1.7756	265292.2
Plate 1	G11	Assay	Unknown	Un_0081 1/1	0.7471	36647.91
Plate 1	H11	Assay	Unknown	Un_0082 1/1	1.9645	330300.2
Plate 1	A12	Assay	Unknown	Un_0083 1/1	1.8315	283785.6
Plate 1	B12	Assay	Unknown	Un_0084 1/1	0.7334	35031.16
Plate 1	C12	Assay	Unknown	Un_0085 1/1	0.6112	22272.18
Plate 1	D12	Assay	Unknown	Un_0086 1/1	1.8570	292429.5
Plate 1	E12	Assay	Unknown	Un_0087 1/1	1.6958	239975.7
Plate 1	F12	Assay	Unknown	Un_0088 1/1	1.5362	193166.4
Plate 1	G12	Assay	Unknown	Un_0089 1/1	0.2164	1477.237
Plate 1	H12	Assay	Unknown	Un_0090 1/1	0.2752	2597.202