DAFTAR PUSTAKA

Ainaro, E. P., Gadri, A., & Priani, S. E., (2015), Formulasi Sediaan Masker Gel *Peel-Off* Mengandung Lendir Bekicot (*Achatina Fulica Bowdich*) sebagai Pelembab Kulit, *Prosiding* Penelitian SPeSIA Unisba, 86 - 95.

Aghnia*, et.al*., (2015), Formulasi Masker Gel *Peel-Off* Lendir Bekicot *(Achantina fulica*) dengan Variasi Konsentrasi Bahan Pembentuk Gel. Bandung : Prodi Farmasi, Fakultas MIPA Universitas Islam Bandung ISSN 2460 - 6472.

Andani Lowisesi , Nur Maulida Sari, Heriad Daud Salusu, Yusdiansyah, Wartomo, *et.al*., (2022), Analisis Fitokimia, Aktivitas Antioksdian dan Aktivitas Antibakteri Daun Andong Merah, *Jurnal Perennial*, 39 - 44.

Ardini, D., & Rahayu, P., (2019), Studi Variasi *Gelling Agent* PVA *(Polivnil Alkohol)* pada Formulasi Masker Peel-Off Ekstrak Lidah Buaya *(Aloe Vera)* Sebagai Anti Jerawat, *Jurnal Kesehatan*, 245 - 251.

Aristyanti, N. P. P., Wartini., N. M., Gunam., I. B. W., (2017), Rendemen dan Karakteristik Ekstrak Pewarna Bunga Kenikir *(Tagetes Erecta L.)* Pada Perlakuan Jenis Pelarut dan Lama Ekstraksi. *Jurnal Rekayasa dan Manajemen Agroindustri* :5(3).

Barel, A.O., Paye, M., dan Maibach, H.I., (2001), *Handbook of Cosmetic Science and Technology.* Third Edition. USA : Informa Healt Care.

Budiman A. *et al.,* (2017)*,* Peel-off gel formulation from black mulberries extract as anti acne mask Natl *J Physiol Pharm Pharmacol*.

Bogoriani, N. W. *et al*., (2020), 'The Effect of Cordyline terminalis's Leaf Extract on Lipid Profile, Obesity and Liver Function in Obese Induced Rats'*, Systematic Reviews in Pharmacy,* 11(11): pp. 1080 - 1086.

Birck, C., S. Degoutin, N. Tabary, V. Miri, and M. Bacquet., (2014), New crosslinked cast films based on poly (vinyl alcohol): preparation and physico-chemical properties. *Express Polymer Letters.* 8(12): 941 - 952.

Cahyani, Aprilia Intan., (2017), Uji Aktivitas Antioksidan dari Ekstrak Kulit Batang Kayu Jawa (*Lannea coromandelica*) dengan Metode DPPH (2,2-difenil-1-pikrilhidrazil). *Skripsi*.Farmasi Fakultas Kedokteran dan Ilmu Kesehatan Universitas Islam Negeri Syarif Hidayatullah, Jakarta.

Departemen Kesehatan Republik Indonesia., (1979). *Farmakope Indonesia Edisi III.* Jakarta: Departemen Kesehatan Republik Indonesia.

Devy, Z., Pangestuti, Y. S., Nabilla, F., Lestari, N. P., & R., E., (2016), Formulasi dan Evaluasi Sifat Fisik *Masker gel peel off* Lempung Bentonite. *The 4 th Univesity Research Coloquium*, 42-45.

Dida A. *et al.,* (2017), Optimasi Formula *Peel Off* Ekstrak Etanol 70% Bunga Rosela *(Hibiscus sabdariffa* L.*)* Dengan Kombinasi *Carbomer dan Polivinil Alkohol*. Akademi Farmasi Nusaputera : Semarang.

Ditjen POM., (1979), *Farmakope Indonesia Edisi Ketiga*, 96, Jakarta, Depkes RI.

Fauziah, Marwarni, R., & Adriani, A., (2020), Formulasi dan Uji Sifat Fisik Masker Wajah *Peel-Off* dari Ekstrak Sabut Kelapa *(Cocos nucifera* L.*)*. *Jurnal Riset Kefarmasian Indonesia,* 2(1): 42 - 51.

Ghatpande NS, Apte PP, Naik SS, Kulkarni PP (2019), Fruit and vegetable consumption and their association with the indicators of iron and inflammation status among adolescent girls. *J Am Coll Nutr,* 38(3): 218 - 226.

Grace, F.X., C. Darsika, K.V. Sowmya, K. Suganya, and S. Shanmuganathan., (2015), Preparation and Evaluation of Herbal Peel Off Face Mask. *American Journal of PharmTech Research*. (5): 33 - 336.

Gunawan, A., Tarigan, D., & Purba, R., (2013), Uji Aktivitas Senyawa Antioksidan Dari Daun Andong *(Cordyline Frutycosa (L.) A. Chev.)* Dengan Menggunakan Metode Dpph. *In Prosiding* Seminar Kimia.

Jayronia, S., (2016). Desingn and Development Of Peel-Off Mask Gel Formulation Of Trietinoin for Acne Vulgaris. *Word J. Pharm. Sci*. (5), 928-938.

Juhriah., Suhadiyah, S., Tambaru, E. & Masniawati., (2014), Buku Ajar Sistematika Tumbuhan Tinggi. Makassar : Universitas Hasanuddin Press.

Kementrian Kesehatan Republik Indonesia., (2023). *Suplemen II Farmakope Indonesia Edisi IV*. Jakarta: 14 - 28, Jakarta, Kemenkes RI.

Maliana, Dina, et al.,(2016), "Formulasi Sediaan Krim Antioksidan Ekstrak Etanolik Daun Alpukat (*Persea Americana* Mill.)." *Acta Pharmaciae Indonesia*, (4):2 : pp. 7 - 15.

Muthmainnah, B., (2017), Skrining Fitokimia Senyawa Metabolit Sekunder Dari Ekstrak Etanol Buah Delima *(Punica granatum L.)* Dengan Metode Uji Warna. *Media Farmasi*. 13(2): 3 - 4.

Naher, S., Aziz, M. A., (2019) *'Anti-diarrheal activity and brine shrimp lethality bioassay of methanolic extract of Cordyline fruticose* (L.) A. Chev. *leaves', Clinical Phytoscience.*

Octaviani, M., Fadhli, H. & Yuneistya, E., (2019). Uji Aktivitas Antimikroba Ekstrak Etanol dari Kulit Bawang Merah (*Allium cepa* L.) dengan Metode Difusi Cakram. *Pharmaceutical Sciences and Research*, 6(1): 62 - 68.

Priyanto, D., (2013). Seri CD *Software* Olah Data Statistik Dengan Program PSPP. *Mediakom*. Yogyakarta.

Rahmawanty, Dina., Nita. Yulianti, dan Mia. Fitriana., (2015). Formulasi dan Evaluasi Masker Wajah *Peel-Off* Mengandung Kuersetin Dengan Variasi Konsentrasi Gelatin dan Gliserin. *Media Farmasi*. 12(1): 17- 32.

Rinaldi, Fauziah, Adriani, A., Siviana, E., Dan Ritazahara., (2020). Studi Formulasi Gel Ekstrak Etanol Daun Nangka (*Artocarpus Heterophyllus* Lam) Dengan Basis Na-Cmc Dan Karbopol. *Akademi Analis Farmasi Dan Makanan*, Banda Aceh Indonesia :100-107.

Rowe, R.C., P.J. Sheskey, S., dan Owen, O., (2005). *Handbook of Pharmaceutical Excipients ed 5th.* London: The Pharmaceutical Press.

Rowe, R.C., P.J. Sheskey, M.E. Quinn., (2009). *Handbook of Pharmaceutical Excipients ed 6th.* London: The Pharmaceutical Press and American Pharmacist Association

Santoso, D., Gunawan, D., (2010). *Ramuan Tradisional untuk Penyakit Kulit, .* Jakarta: Cermin Kedokteran.

Suarsana, I. N., Kumbara, A. N., & Satriawan, I. K., (2014). *Tanaman Obat : Sembuhkan Penyakit Untuk Sehat.* Denpasar: Swasta Nulus.

Sukmawati *et al.,* (2013). Pengaruh Variasi Konsentrasi PVA, HPMC, dan Gliserin terhadap Sifat Fisika Masker Wajah Gel Peel Off Estrak Etanol 96% Kulit Buah Manggis *(Garcinia mangostana L.)*. Universitas Udayana : Bali.

Sulastri A, Chaerunisaa AY., (2018), Formulasi Masker gel peel off untuk Perawatan Kulit Wajah. *Farmaka*, 14(3): 17 - 26.

Sumule, A., Pamudji, G., & Ikasari, E. D., (2021), Optimasi *Aristoflex*® AVC Dan Propilen Glikol Gel Tabir Surya Rimpang Kunyit Dengan Metode Desain Faktorial, *Jurnal Farmasi Dan Ilmu Kefarmasian Indonesia*, 8(2): 168.

Sumiyati S, Ginting M., (2019), Formulasi Masker gel peel off dari Kulit Buah Pisang Kepok *(Musa paradisiaca L.)*. *J Dunia Farm*, 1(3):123 - 33.

Suryani, N., Betha, O. S., & Izzati, M. K (2017), Pengaruh HPMC Terhadap Sifat Fisik Sediaan Masker *Peel-Off* Ekstrak Etanol Kulit Buah Manggis *(Garcinia mangostana L.), Medika Islamika*, 14(2): 101 - 110.

Sutri ningsih & Astuti, I. W., (2017), Uji Antioksidan dan Formulasi Sediaan Masker *Peel-Off* dari Ekstrak Biji Alpukat *(Persea americana* Miil*.)* Dengan Perbedaan Konsentrasi PVA *(Polivinil Alkohol)*, *Indonesia Natural Research Pharmaceutichal Journal*, 1(9): 67 - 75.

Syakri, S., Ismail, I., Amal, N. M., Masjidi, N. A., & Tahir, K. A., (2021), *Characterization and Anti-Aging Tests of Peel-Off Gel Masks Made from Ethanolic Extract of Yarrow (Achillea millefolium), Journal of Medical Science,s* 9(A): 1591 - 1595.

Syarifah, R. S., Mulyanti, D., Gadri, A., (2015), Formulasi Sediaan Masker *Gel Peel-off* Ekstrak Daun Pepaya *(Carica papaya* L*.)* Sebagai Anti jerawat dan Uji Aktivitasnya Terhadap Bakteri *Propionibacterium Acnes*, Prosiding penelitian speSIA Unisba, 662 - 670.

Syarifah, M., Sugihartini, N. & Nurani, L. H., (2018), Formulasi dan Uji Anti Inflamasi Masker *Peel Off* Ekstrak Etanol Buah Mengkudu *(Morinda citrifolia* L*.), Jurnal Ilmu Kefarmasian Indonesia*, 17(2): 175 - 182

S. Y. Wardani H, Oktaviani R., (2016). "Formulasi Masker Gel *Peel-Off* Ekstrak Etanol Umbi Bawang Dayak *(Eleutherine bulbosa* (Mill.) Urb*.)* Husnul," *Media Sains*, 9(2): pp. 167 - 173.

LAMPIRAN

Lampiran 1.*Certificate Of Analysis* Bahan

There is another top address in Darmstadt

AppliChem GmbH
Ottoweg 4
D-64291 Darmstadt
Phone 0049 6151 93 57-0
Fax 0049 6151 93 57-11
eMail service@applichem.com
internet www.applichem.com

AppliChem
BioChemica Chemica Synthesis Service

Certificate of Analysis

Description	**Polyvinyl alcohol 72000 *BioChemica***
Product number	A2255
CAS number	9002-89-5
Molecular weight	approx. 72000 g/mol
Formula	
Lot number	2X004470
QC-release date	06.06.2018
Next retest	06.2020

Parameter	**Specification**	**Analysis**
Appearance	white powder	white powder
Assay	min. 98 %	> 98 %
Loss on drying	max. 5 %	2.9 %

This document has been produced electronically and is valid without a signature

TÜV PROFI CERT ISO 9001
DIN EN ISO 9001
Reg.-Nr. 73 100 785

i.A. Kay Schubert
Quality Control

i.A. Katrin Wünsche
Quality Control

The manufacture of this product is carried out with greatest care. We guarantee the above details secured by our QM system. The suitability for special applications is not guaranteed. The certificate of analysis does not release you from performing the standard control upon receipt of incoming goods.

PT.BRATACO

HASIL PEMERIKSAAN

Nama Bahan : Propylene Glycol
No Batch : J 0041/18 (C815HBK22T)
Ex : Dow Chemical Pacific, Singapore
E.D. : 11/2025
Grade : Farma

Jenis Pemeriksaan	*Persyaratan USP NF 19*	*Hasil*
Pemerian	Cairan kental jernih,tidak berwarna, tidak berbau,rasa agak manis, hygroskopik	Sesuai
Kelarutan	Dapat bercampur dgn air,dengan etanol dan dengan kloroform	Sesuai
Keasam-basaan	≤ 0,3 ml NaOH 0.1N	0,2 ml NaOH 0,1 N
Index Bias	1,431 - 1,433	1,433
Bobot per-ml	1,035 g - 1,037 g/ml	1,0364 g/ml
pH	±6,5	7.476

Kesimpulan : Memenuhi Syarat

Cikarang, 22 – 01 – 2022

Pemeriksa

Aptria Wariski
Staff QC

Penanggung Jawab

Dra. Tri Hartati
Apoteker
STRA : 19560421/STRA-ITB/1984/20192

HEAD OFFICE : Jl. Cideng Barat No. 78, Jakarta Pusat 10150, Telp. (021) 3522736 (hunting) Fax. : (021) 3522734, E-mail : btcsek@brataco.com
BRANCH OFFICE : • JAKARTA : Jl. Mangga Besar V No.5, Jakarta 11180 Telp. (021) 6290113 (hunting 3 lines) Fax. (021) 6292430
Jl. Boulevard Raya Blok TB2 No. 5, Jakarta 14240 Telp. (021) 45846992-94 Fax. (021) 4532615
• BANDUNG : Jl. Kelenteng No. 8, Bandung Telp. (022) 6077129, 6030606 Fax. (022) 6031975
Jl. Terusan Jakarta No. 77G, Bandung Telp. (022) 7101277, 7210308-309 Fax. (022) 7210310
• SEMARANG : Jl. Brigjen. Katamso No. 19 Telp. (024) 8415272, 8415888 Fax. (024) 8414860
• YOGYA : Jl. Bhayangkara No. 45, Yogya Telp. (0274) 543349, 515390 Fax. (0274) 543349
• SURABAYA : Jl. Tidar No. 89, Surabaya Telp. (031) 5322887, 5325057 Fax. (031) 5310465
• MEDAN : Jl. Iskandar Muda no. 40 B, Medan Telp. (061) 4148272, 4523158 Fax. (061) 4525996
SUB BRANCH OFFICE : TANGERANG, BOGOR, CIKARANG, CIREBON, TASIKMALAYA, SOLO, PURWOKERTO, TEGAL, MALANG, SIDOARJO, DENPASAR, PALEMBANG, MAKASSAR

PT. Palapa Muda Perkasa

CERTIFICATE OF ANALYSIS

Nama Bahan : Glycerin PH

Batch : J 0373/18
(8085038811)
Ex : P & G Chemicals, SIngapura
ED :10/2024
Grade : Farma

==========

========= *Jenis Pemeriksaan* *Persyaratan FI IV* *Hasil*

Pemerian	Cairan, jernih, tidak berwarna, tidak berbau, rasa manis diikuti rasa hangat, higroskopik	Sesuai
Kelarutan	Dapat bercampur dengan air dan etanol, praktis tidak larut dalam kloroform dan dalam eter	Sesuai
Identifikasi	Panaskan dengan kalium bisulfat P; terjadi uap merangsang	Positif
pH	5,5 – 7,5	5,8
Index Bias	1,471-1,474	1,472
Susut Pengeringan	≤ 2,0 %	0,00%
Bobot jenis	1,255 g/ml – 1,260 g/ml sesuai dengan kadar 98,0% – 100,0%	1,260 g/mL

==========

========= *Kesimpulan : Memenuhi Syarat*

MAKINGCOSMETICS

Certificate of Analysis

(Representative Sample Certificate)

Product Name: Hydroxypropyl Methylcellulose
INCI Name: Hydroxypropyl methylcellulose
CAS Number: 9004-65-3
Lot Number: Not available (data may vary slightly with different lots or batches)
Expiration Date: 36 months from production date

Analytical Tests	Specification	Analysis
Appearance	Off-white to yellowish powder	pass
Odor	Characteristic	pass
Viscosity, 2% in water at 20°C	60,000-90,000	83,921
Moisture as packaged	<7.0%	2.5
Sodium Chloride	<5.0%	0.4
Particle Size, thru 40 U.S. Std. Sieve	>99	100

The above data were obtained using the test indicated and is subject to the deviation inherent in the test method. Results may vary under other test methods or conditions.

This report is not to be signed.

MakingCosmetics.com Inc.
35318 SE Center Street, Snoqualmie, WA 98065
Phone 425-292-9502 Fax 425-292-9601 www.makingcosmetics.com

MCE MedChemExpress

Certificate of Analysis

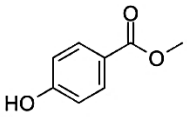
Methyl Paraben

Cat. No.:	HY-N0349
CAS No.:	99-76-3
Batch No.:	33250
Chemical Name:	Benzoic acid, 4-hydroxy-, methyl ester

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_8H_8O_3$		
Molecular Weight:	152.15		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

Chemical Structure:



ANALYTICAL DATA

Appearance:	White to off-white (Solid)
^{1}H NMR Spectrum:	Consistent with structure
Purity (HPLC):	99.71%
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA

Lampiran 2. Dokumentasi Pemekatan Ekstrak

No.	Keterangan	Dokumentasi kegiatan
1	Pemekatan ekstrak menggunakan *rotary evavorator*	
2	Pemekatan ekstrak menggunakan *waterbha*t	
	Penimbangan bobot tetap ekstrak	

Lampiran 3. Perhitungan Rendemen Ekstrak

$$R\,.rendemen\ simplisia = \frac{550\ gram}{1700\ gram}\ x\ 100\% = 32{,}35\ \%$$

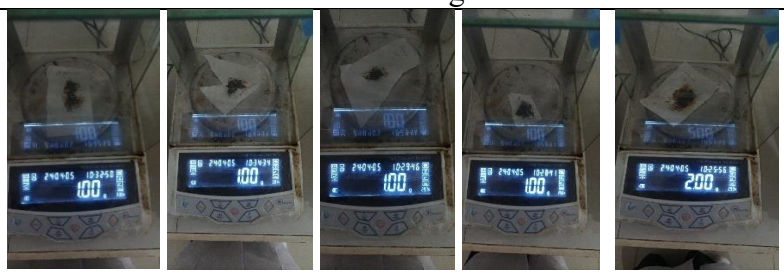
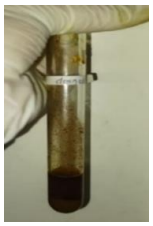
$$R\,.rendemen\ ekstrak = \frac{109{,}8\ gram}{500\ gram}\ x\ 100\% = 21{,}96\%$$

Lampiran 4. Perhitungan ekstrak yang digunakan dalam formulasi

IC_{50} = 88, 26 ppm $= \frac{88{,}26}{1000\ ml} x100\ ml = 8{,}826$ $\frac{8{,}826}{1000} x100 = 0.8826$

Ekstrak yang digunakan 0,8 gram

Lampiran 5. Penimbangan dan Proses Skrining Fitokimia Ekstrak Daun Andong Merah

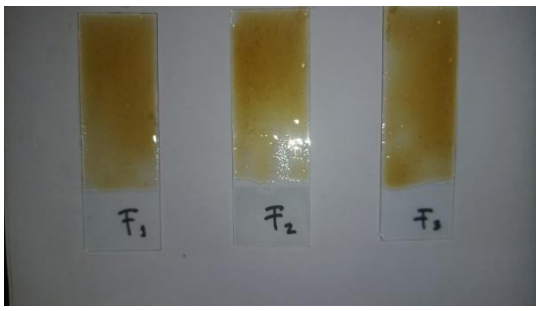
<table>
<tr><th>No.</th><th>Keterangan</th><th>Dokumentasi kegiatan</th></tr>
<tr><td>1</td><td>Penimbangan ekstrak pada sampel skrining fitokimia</td><td>  </td></tr>
<tr><td>2</td><td>Skrining fitokimia</td><td>Alkaloid ➔ HCl 2N + reagen
   
Wagner Dragendrof P Mayer
Tanin ➔ Aquadest + $FeCl_3$
 
Flavonoid ➔ Serbuk Mg + HCLpekat + Amil alkohol
 
Saponin ➔ Aquadest + HCL 2N
 
Triterpenoid ➔ etil asetat + as. asetat anhidrat + as. sulfat pekat
  </td></tr>
</table>

Lampiran 6.Penimbangan dan pengolahan sediaan

No.	Keterangan	Dokumentasi kegiatan
1	Penimbangan bahan basis sediaan	    Nipagin PVA Esktrak HPMC   Propilen glikol dan gliserin
2	Pencampuran basis sediaan	- Pengembangan basis gel (HPMC) dan *film forming* (PVA) dengan *aquadest* bersuhu 80˚C  - Pencampuran *humectan* dan *plastisizer (gliserin +propilenglikol)* serta pelarutan nipagin dengan *aquadest* bersuhu 80˚C 

		- Penambahan ekstrak yang sudah didispersi kedalam basis  - Hasil akhir sediaan 

Lampiran 7. Evaluasi sediaan

No.	Keterangan	Dokumentasi kegiatan
1	Uji organoleptis, homogenitas, dan waktu kering	
2	Uji pH dan daya lekat	 
4	Uji daya sebar	 
5	Uji viskositas	 

Lampiran 1. Hasil uji Normalitas data, Homogenitas data dan analisis non parametrik Kruskal wallis (SPSS)

Tests of Normality							
		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	hari.pengamatan	Statistic	df	Sig.	Statistic	df	Sig.
pengamatan.PH	hari1	.492	6	.000	.496	6	.000
	hari7	.	3	.	.	3	.
	hari14	.	3	.	.	3	.
	hari21	.	3	.	.	3	.
	hari28	.	3	.	.	3	.
a. Lilliefors Significance Correction							

Test of Homogeneity of Variance					
		Levene Statistic	df1	df2	Sig.
pengamatan.PH	Based on Mean	2.708	4	13	.077
	Based on Median	.433	4	13	.782
	Based on Median and with adjusted df	.433	4	5.000	.781
	Based on trimmed mean	1.821	4	13	.185

Test Statistics[a,b]	
	pengamatan.PH
Kruskal-Wallis H	2.000
df	4
Asymp. Sig.	.736
a. Kruskal Wallis Test	
b. Grouping Variable: hari.pengamjatan	

Tests of Normality							
		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	hari.pengamatan	Statistic	df	Sig.	Statistic	df	Sig.
waktu.kering	hari1	.294	6	.115	.841	6	.134
	hari7	.177	3	.	1.000	3	.971
	hari14	.268	3	.	.951	3	.573
	hari21	.207	3	.	.992	3	.834
	hari28	.195	3	.	.996	3	.884
a. Lilliefors Significance Correction							

Test of Homogeneity of Variances					
		Levene Statistic	df1	df2	Sig.
waktu.kering	Based on Mean	.067	4	13	.991
	Based on Median	.020	4	13	.999
	Based on Median and with adjusted df	.020	4	11.469	.999
	Based on trimmed mean	.063	4	13	.992

Test Statistics[a,b]	
	waktu.kering
Kruskal-Wallis H	.902
df	4
Asymp. Sig.	.924
a. Kruskal Wallis Test	
b. Grouping Variable: hari.pengamjatan	

Tests of Normality							
		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	hari.pengamatan	Statistic	df	Sig.	Statistic	df	Sig.
sebar.non.beban	hari1	.256	6	.200*	.865	6	.207
	hari7	.196	3	.	.996	3	.878
	hari14	.219	3	.	.987	3	.780
	hari21	.253	3	.	.964	3	.637
	hari28	.385	3	.	.750	3	.000
*. This is a lower bound of the true significance.							
a. Lilliefors Significance Correction							

Test of Homogeneity of Variances					
		Levene Statistic	df1	df2	Sig.
sebar.non.beban	Based on Mean	.204	4	13	.931
	Based on Median	.196	4	13	.936
	Based on Median and with adjusted df	.196	4	11.239	.935
	Based on trimmed mean	.224	4	13	.920

Test Statistics[a,b]	
	sebar.non.beban
Kruskal-Wallis H	8.117
df	4
Asymp. Sig.	.087
a. Kruskal Wallis Test	
b. Grouping Variable: hari.pengamjatan	

Tests of Normality							
		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	hari.pengamatan	Statistic	df	Sig.	Statistic	df	Sig.
sebar.50	hari1	.178	6	.200*	.917	6	.485
	hari7	.175	3	.	1.000	3	1.000
	hari14	.196	3	.	.996	3	.878
	hari21	.241	3	.	.974	3	.688
	hari28	.204	3	.	.993	3	.843
*. This is a lower bound of the true significance.							
a. Lilliefors Significance Correction							

Test of Homogeneity of Variances					
		Levene Statistic	df1	df2	Sig.
sebar.50	Based on Mean	1.082	4	13	.405
	Based on Median	.900	4	13	.492
	Based on Median and with adjusted df	.900	4	9.015	.503
	Based on trimmed mean	.991	4	13	.446

Test Statistics[a,b]	
	sebar.50
Kruskal-Wallis H	1.541
df	4
Asymp. Sig.	.819
a. Kruskal Wallis Test	
b. Grouping Variable: hari.pengamjatan	

Tests of Normality							
		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	hari.pengamjatan	Statistic	df	Sig.	Statistic	df	Sig.
sebar.100	hari1	.173	6	.200*	.916	6	.479
	hari7	.241	3	.	.974	3	.688
	hari14	.211	3	.	.991	3	.817
	hari21	.337	3	.	.855	3	.253
	hari28	.219	3	.	.987	3	.780
*. This is a lower bound of the true significance.							
a. Lilliefors Significance Correction							

Test of Homogeneity of Variances					
		Levene Statistic	df1	df2	Sig.
sebar.100	Based on Mean	1.707	4	13	.208
	Based on Median	1.592	4	13	.235
	Based on Median and with adjusted df	1.592	4	10.456	.248
	Based on trimmed mean	1.698	4	13	.210

Test Statistics[a,b]	
	sebar.100
Kruskal-Wallis H	.890
df	4
Asymp. Sig.	.926
a. Kruskal Wallis Test	
b. Grouping Variable: hari.pengamjatan	

Tests of Normality							
		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	hari.pengamjatan	Statistic	df	Sig.	Statistic	df	Sig.
daya.lekat	hari1	.396	6	.004	.673	6	.003
	hari7	.367	3	.	.793	3	.098
	hari14	.262	3	.	.956	3	.596
	hari21	.359	3	.	.811	3	.141
	hari28	.380	3	.	.763	3	.028
a. Lilliefors Significance Correction							

Test of Homogeneity of Variances					
		Levene Statistic	df1	df2	Sig.
daya.lekat	Based on Mean	.100	4	13	.981
	Based on Median	.004	4	13	1.000
	Based on Median and with adjusted df	.004	4	12.199	1.000
	Based on trimmed mean	.078	4	13	.988

Test Statistics[a,b]	
	daya.lekat
Kruskal-Wallis H	2.384
df	4
Asymp. Sig.	.666
a. Kruskal Wallis Test	
b. Grouping Variable: hari.pengamjatan	

Tests of Normality							
		Kolmogorov-Smirnov[a]			Shapiro-Wilk		
	hari.pengamjatan	Statistic	df	Sig.	Statistic	df	Sig.
viskositas	hari1	.314	6	.066	.776	6	.035
	hari7	.253	3	.	.964	3	.637
	hari14	.317	3	.	.889	3	.350
	hari21	.362	3	.	.803	3	.122
	hari28	.369	3	.	.789	3	.089
a. Lilliefors Significance Correction							

Test of Homogeneity of Variances					
		Levene Statistic	df1	df2	Sig.
viskositas	Based on Mean	14.188	4	13	.000
	Based on Median	4.572	4	13	.016
	Based on Median and with adjusted df	4.572	4	10.159	.023
	Based on trimmed mean	13.246	4	13	.000

Test Statistics[a,b]	
	viskositas
Kruskal-Wallis H	3.670
df	4
Asymp. Sig.	.452
a. Kruskal Wallis Test	
b. Grouping Variable: hari.pengamjatan	