

# APPENDIX

## Appendix 1. Packaging Design

**Vinrange is made from fresh organic orange without any preservative. Vinrange has many health benefits including high in vitamin C and antioxidants.**

**Vinrange dibuat dari jeruk organik segar tanpa bahan pengawet. Vinrange memiliki banyak manfaat kesehatan termasuk tinggi vitamin C dan antioxidants.**

**Ingredients: Purified Water, Orange Peel, sugar, Citric Acid, Yeast.**  
**Komposisi: Air Murni, Kulit Jeruk, Gula, Asam Sitrat, Ragi.**



**VINRANGE**  
Aromatic Organic Orange Zest Vinegar

NUTRITION FACTS	
Serv. Size 1 Tbsp. (15 ml)	
Serv. per containers about 30	
Calories 0 Calories from fat 0	
*Percent daily values (DV) are based on 2000 calorie diet	
Amount/Serving	%DV*
<b>Total Fat</b> 0g	<b>0%</b>
Saturated Fat 0g	0%
Trans Fat 0g	
Polyunsaturated Fat 0g	
Monounsaturated Fat 0g	
<b>Total Carbohydrate</b> 0g	<b>0%</b>
Dietary Fiber 0g	0%
Sugars 0g	
<b>Protein</b> 0g	
Sodium 0g	0%
Potassium 0g	0%
Cholesterol 0mg	0%
<b>Vitamin C</b> 44.25%	<b>0.07%</b>
Vitamin A 0%	
Folic Acid 0%	
Iron 0%	
Calcium 0%	

1.72% Acid
100 % FRESH ORANGE
450 ML

Picture. Sticker Label.



Picture. Label on the Bottle.

## Appendix 2. Product Logo



## Appendix 3. Documentation



Picture. Orange used for trial (left: Sunkist, right: Baby Pacitan).



Picture. Orange peel after washed and peeled.



Picture. Boiling and pasteurizing orange peel.



Picture. The orange peel mixture put inside sterile jar for fermenting.



Picture. Orange mixture after adding citric acid.



Picture. Filtering and pasteurizing process.



Picture. Vinegar Inside the Packaging Bottle.



Picture. Samples of vinegar for laboratory test.



Picture. Equipment used for testing.


**KEMENTERIAN KESEHATAN RI**  
**DIREKTORAT JENDERAL PELAYANAN KESEHATAN**  
**BALAI BESAR LABORATORIUM KESEHATAN SURABAYA**  
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 Telepon Pelayanan : (031) 5020306, TU : (031) 5021451; Faksimili : (031) 5020388  
 Website : bblksurabaya.com : Surat elektronik : bblksurabaya@yahoo.co.id

**HASIL ANALISA KIMIA**

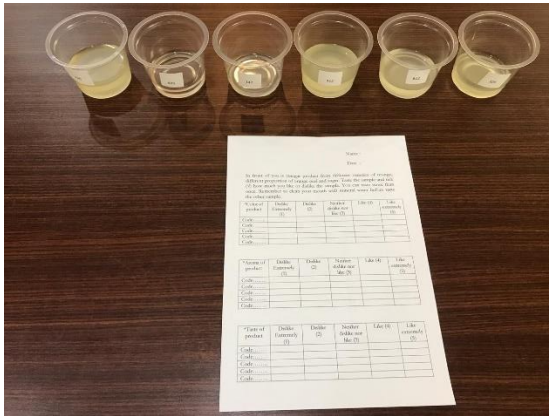
Nomer : L19001704 / Bhn / V / 2019  
 Jenis bahan : 4 (Empat) Contoh Bahan Atas Cuka Jeruk  
 Dikirim oleh : **HENI ADHIANATA**  
 Alamat : **Surabaya**  
 Diambil oleh : Yang Bersangkutan  
 Diterima di BBLK tgl : 08 Mei 2019

No	PARAMETER	sumkit 63 gula 126 air 630 A	sumkit 126 gula 126 air 630 B	sumkit 126 gula 63 air 630 C	sumkit 63 gula 63 air 630 D
1	pH	4,58	4,29	4,33	4,12
2	Total Asam (%)	1,78	1,42	1,94	1,72
3	Alkohol (%)	0,0	0,0	0,0	0,0
4	Asam Acetat (%)	3,08	2,83	4,68	3,25
5	Vitamin C (%)	48,08	41,86	46,18	44,25
6	Antioksidan (%)	41,77	39,85	53,12	45,04

**Perhatian :**  
 Hasil pemeriksaan ini hanya berlaku untuk contoh diatas  
 Hasil ini tidak boleh dipergunakan untuk keperluan iklan/Reklame  
 Dilarang menggandakan dokumen ini tanpa seijin pihak BBLK Surabaya

17 Mei 2019  
 Manajer Teknik,  
  
**Nisa Nurina Valerie, S.Si, M**  
 NIP. 19840307 200912 200

Picture. Test result of the samples.



Picture. Sensory test set for volunteer.



Picture. Sensory test process.

Name : Evan

Date : 21-3-2019

In front of you is vinegar product from different varieties of orange, different proportion of orange peel and sugar. Taste the sample and tick (✓) how much you like or dislike the sample. You can taste more than once. Remember to clean your mouth with mineral water before taste the other sample.

*Color of product	Dislike Extremely (1)	Dislike (2)	Neither dislike nor like (3)	Like (4)	Like extremely (5)
Code..147..				✓	
Code..325..				✓	
Code..512..				✓	
Code..631..				✓	
Code..725..				✓	
812				✓	

*Aroma of product	Dislike Extremely (1)	Dislike (2)	Neither dislike nor like (3)	Like (4)	Like extremely (5)
Code..147..				✓	
Code..325..				✓	
Code..512..				✓	
Code..631..			✓		
Code..725..				✓	
812				✓	

*Taste of product	Dislike Extremely (1)	Dislike (2)	Neither dislike nor like (3)	Like (4)	Like extremely (5)
Code..147..	(Pahit)	✓			
Code..325..	(Pahit)	✓			
Code..512..	(Kuatany asam)		✓		
Code..631..	(Kantol)		✓		
Code..725..	(Kuatany asam)		✓		
812	(Kuatany asam)		✓		

Picture. Example of sensory test form.