

BIBLIOGRAPHY

- Densie, W., PhD, RD. (2019). Pasta's History and Role in Healthful Diets. *FOOD AND NUTRITION*, 54(5), 10.1097. <https://doi.org/10.1097/NT.0000000000000364>
- Hafez, H. (2022). Utilization of carob bean pulp and seeds in preparing some functional bakery products. *Research Square*, 2(10). <https://doi.org/10.21203/rs.3.rs-2097487/v2>
- Heriyanto, H. (2019). INDONESIAN COCONUT COMPETITIVENESS IN INTERNATIONAL MARKETS. *Asia Proceedings of Social Sciences*, 1(3), 46–50. <https://doi.org/10.31580/apss.v1i3.390>
- Ngampeerapong, C. N. (2019). Nutritional and Bioactive Compounds in Coconut Meat of Different Sources: Thailand, Indonesia and Vietnam. *Food Science and Technology*, 10. <https://doi.org/10.12982/CMUJNS.2019.0037>
- Nisticò, R. (2020). Polyethylene terephthalate (PET) in the packaging industry. *Polymer Testing*, 90, 106707. <https://doi.org/10.1016/j.polymertesting.2020.106707>
- Loullis, A., Pinakoulaki, E. Carob as cocoa substitute: a review on composition, health benefits and food applications. *Eur Food Res Technol* 244, 959–977 (2018). <https://doi.org/10.1007/s00217-017-3018-8>
- Petkova, N., & Ognyanov, M. (2018). Nutritional and antioxidant potential of carob (*Ceratonia siliqua*) flour and evaluation of functional properties of its polysaccharide fraction. *Journal of Pharmaceutical Sciences and Research*, 9(10). https://www.researchgate.net/publication/321359642_Nutritional_and_antioxidant_potential_of_carob_Ceratonia_siliqua_flour_and_evaluation_of_functional_properties_of_its_polysaccharide_fraction
- Papaefstathiou, E., Agapiou, A., Giannopoulos, S., & Kokkinofta, R. (2018). Nutritional characterization of carobs and traditional carob products. *Food Science and Nutrition*, 6(8), 2151–2161. <https://doi.org/10.1002/fsn3.776>
- Rahmadhaan, P. (2021). Pengembangan Produk Pasta Jenis Ravioli Saus Rendang dengan Substitusi Ubi Jalar Kuning. *Journal of Food and Culinary*, 4(2). <http://jurnal2.uad.ac.id/index.php/jfc/article/view/6199/3033>
- Saber, F. R., & Mahrous, E. A. (2023). Novel Functional Foods From Plants of the Mediterranean Area: Biological, Chemical, Metabolomic Approaches. *Reference Module in Food Science*. <https://doi.org/10.1016/B978-0-12823960-5.00032-9>
- Susanto, D. S. (2022). SUBSTITUSI TEPUNG TERIGU DENGAN TEPUNG MILLET DALAM PEMBUATAN PASTA RAVIOLI. *Jurnal Mahasiswa*

- Pariwisata Dan Bisnis*, Vol 01 No 11(11), 10.22334.
<https://paris.ipbintl.ac.id/index.php/paris/article/view/214/191>
- Tao, Z. (2018). Effects of sulfur fertilization and short-term high temperature on wheat grain production and wheat flour proteins. *The Crop Journal*, 6(4).
<https://doi.org/10.1016/j.cj.2018.01.007>

Appendix

1. Approved recipe

Recipe Name : CHOCOLATE RAVIOLI WITH SWEET COCONUT FILLING
TITLE OF C&D : UTILIZATION OF CHOCOLATE FLAVOURED FLOUR INTO SNACK FILLED WITH SWEET COCONUT

Yield : 1 portion

Main Ingredients : 274 gr chocolate flavoured flour

Ingredients :

- 204gr all purpose flour 1/2 coconut
- 68gr carob powder 125gr palm sugar
- 3 eggs 50ml water
- 1tbs water 1 pandan leaves
- 1tbs olive oil 1/2tsp salt
- Powdered Sugar
- salt

Method :

Chocolate pasta:

1. Combine the flour and carob powder and form it into mountain-like mound
2. Create a well in the center, then add eggs, water, and olive oil.
3. Mix them well together then gradually start pulling the flour into the pool of egg
4. Continue to gradually add flour until the dough start holding together.
5. Once the dough start holding together, form it into a ball.
6. Knead the dough for 10 minutes, rest the dough for 1-2 hours
7. Roll the dough then shape it with pasta machine
8. Put the filling inside
9. Preheat the oven to 170C and bake the ravioli for about 15 minute.

Fillings:

1. Melt the sugar in a pan then add water
2. Add the pandan leaves and cook for 5 minutes
3. Then add the shredded coconut and mix them with the melted sugar
4. Cook until the coconut colour turn into golden brown.

RECIPE BACKGROUND (50 – 100 WORDS)

Traditional food is part of cultural heritage in every society. Every country has its own unique traditional food or snack. These dishes carry a sense of nostalgia and reminded us about memory in the past. Due to that I decided to do a little twist in pasta. by making it chocolate flavoured ravioli filled with "unti kelapa". I choose "unti kelapa" because it represent many of Indonesia traditional snacks. So it will be a combination between Indonesia and Italian culture.

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1 st Advisor	2 nd Advisor	3 rd Advisor
		

Name: Anthony Scalpello
Date: 27 Maret 2023

Name: Novi Indah. P
Date: 27 Maret 2023

Name: Jessica Horton
Date: 27 March 2023

2. Approved sensory



CULINARY INNOVATION AND NEW PRODUCT DEVELOPMENT SENSORY TEST

DATE : 10 April 2023
NAME : Alan Wicaksana Sanjaya
NIM : 2174130010062
PRODUCT : Choco ravioli with coconut filling
ADVISOR : Anthony Sucipto, A.Md.Par.

PANELIST	SIGHT	SMELL	TEXTURE	TASTE	TOTAL
Panelist 1	X	X	X	X	X
Panelist 2	✓	✓	X	✓	✓
Panelist 3	✓	✓	X	✓	✓
Panelist 4	X	✓	X	✓	X
Panelist 5	✓	✓	✓	✓	✓
Panelist 6	✓	✓	✓	✓	✓
Panelist 7	X	X	X	X	X
Panelist 8	✓	✓	✓	✓	✓
Panelist 9	✓	✓	X	✓	✓
Panelist 10	✓	✓	X	✓	✓

NOTES :

- Isian rasanya enak. Kulitnya sedikit keras



3. Consultation form



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CONSULTATION FORM
CULINARY INNOVATION AND
NEW PRODUCT DEVELOPMENT

Name : Alan Wicaksono Soejono
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Advisor : Antonijus Sucipto

No	Date	Topic Consultation	Name/ Signature
1	17/3 23	Konsul. Anal	
2	20/3 23	resep	
3	23/3 23	Konsul. resep	
4	24/3 23	Konsul. sensory test	
5	4/4 23	Konsul chapter I	
6	5/5 23	chapter II	

: Alan Wicaksono Soejono
: 21.24.13.001.062
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No	Date	Topic Consultation	Name/ Signature
7	8/5 23	Flavorchart	
8	8/6 23	Nutrition calc	
9	9/6 23	definition lab	
10	10/6 23	chapter 5	

4. Systematic process documentation

1. Mixed carob, flour, egg,sugar, and milk into a bowl



2. knead the dough and rest



3. Flatten the dough



4. Pour palm sugar



5. Add water and pandan and cooked for around 10 minute



6. Add coconut and cooked until dry



7. Unti kelapa



8. Insert filling into dough



9. Cut into shape



10. Bake it



11. Chocolate flavoured ravioli



