

## DAFTAR PUSTAKA

- Aisuwarya, R. and Fatimah, N. (2019) 'Rancang Bangun Sistem Pencampur Minuman Jamu Otomatis Berbasis Mikrokontroler', *Journal of Information Technology and Computer Engineering*, 3(01), pp. 8–17. Available at: <https://doi.org/10.25077/jitce.3.01.8-17.2019>.
- Amelia, M.R. et al. (2016) 'Penetapan Kadar Abu (AOC 2005)', *Aoac 2005*, (Aoac 2005), p. 43.
- Anaba, F., Andriyanto and Mayasari, N.L.P.I. (2021) 'Potensi Infusa Kemiri (Aleurites moluccana) Sebagai Analgesik Dan Stimulator Stamina', *Acta VETERINARIA Indonesiana*, 9(1), pp. 14–20. Available at: <https://doi.org/10.29244/avi.9.1.14-20>.
- Aprilyanti, S. et al. (2022) 'Penyuluhan Potensi Ekonomis Ekstrak Lengkuas Sebagai Bahan Campuran Kopi di Desa Sukamulya Kecamatan Sematang Borang Palembang', *Jurnal Pengabdian Masyarakat Indonesia*, 2(2), pp. 143–147. Available at: <https://doi.org/10.52436/1.jpmi.420>.
- Aryanta, I.W.R. (2019) 'Bawang Merah Dan Manfaatnya Bagi Kesehatan', *Widya Kesehatan*, 1(1), pp. 29–35. Available at: <https://doi.org/10.32795/widyakesehatan.v1i1.280>.
- Assadad, L. & Utomo, B.S.B. (2019) 'Pemanfaatan Garam Dalam Industri pengolahan produk perikanan', *Squalen Bulletin Of Marine And Fisheries Postharvest And Biotechnology*, 6(1), pp. 26–37.
- Azis, A. (2019) 'Kunyit (Curcuma Domestica Val) Sebagai Obat Antipiretik', *Jurnal Ilmu Kedokteran Dan Kesehatan*, 6(2), pp. 116–120. Available at: <https://doi.org/10.33024/jikk.v6i2.2265>.
- Chandrasekara, A. & Shahidi, F. (2018) 'Herbal Beverages: Bioactive Compounds And Their Role In Disease Risk Reduction - A review', *Journal of Traditional and Complementary Medicine*. Elsevier Ltd, pp. 451–458. Available at: <https://doi.org/10.1016/j.jtcme.2017.08.006>.

- Dalimunthe, A., Masfria & Sumaiyah (2019) 'Evaluasi Organoleptik Permen Herbal Kencur (*Kaempferia Galanga* L Rhizoma) Dan Jahe Merah (*Zingiber Officinale* Var *Rubrum* Rhizoma)', *Abdimas Talenta: Jurnal Pengabdian Kepada Masyarakat*, 3(2), pp. 211–214. Available at: <https://doi.org/10.32734/abdimastalenta.v3i2.4117>.
- Damanik, E.L. et al. (2021) 'Tinuktuk: Eksplorasi Olahan Etnobotani Rempah Serta Prospek Pengembangannya Di Simalungun', (December), p. 225. Available at: [https://www.researchgate.net/publication/376856840\\_Tinuktuk\\_Eksplorasi\\_Olahan\\_Etnobotani\\_Rempah\\_Serta\\_Prospek\\_Pengembangannya\\_di\\_Simalungun](https://www.researchgate.net/publication/376856840_Tinuktuk_Eksplorasi_Olahan_Etnobotani_Rempah_Serta_Prospek_Pengembangannya_di_Simalungun).
- Elfariyanti et al. (2022) 'Sosialisasi Dan Pelatihan Pembuatan Minuman Herbal Dari Rempah Bumbu Dapur di Desa Naga Uambang Aceh Besar', *E-proceeding 2 nd Senriabdi 2022*, 2, pp. 17–23. Available at: <https://jurnal.usahidsolo.ac.id/>.
- Garnida, Y. (2020) *Uji Inderawi & Sensori Pada Industri Pangan*. Bandung, Indonesia: Manggu Makmur Tanjung Lestari.
- Habi, U.T., Limonu, M. and Tahir, M. (2021) ' Uji Kimia Serbuk Herbal Rambut Jagung Yyang Diformulasi Dengan Serbuk Kayu Manis (*Cinnamomum Burmannii* )', *Jambura Journal Of Food Technology*, 3(2), pp. 50–61. Available at: <https://doi.org/10.37905/jjft.v3i2.7547>.
- Hadiati, M.S. & Surbakti, M.M.S. (2021) 'Terites, Kuliner Ekstrim Khas Karo Sebagai Daya Tarik Wisata Kuliner', *Destinesia : Jurnal Hospitaliti Dan Pariwisata*, 3(1), pp. 21–34. Available at: <https://doi.org/10.31334/jd.v3i1.1802>.
- Helmalia, Putrid & Andi, D. (2019) 'Vol. 2 Issue 1, Juni 2019', 2(1).
- Ihromi, S. et al. (2019) 'Teh Bubuk Herbal Daun Ashitaba Dan Kulit Buah Naga', *Jurnal Agrotek Ummat*, 6(2), p. 83. Available at: <https://doi.org/10.31764/agrotek.v6i2.1220>.

- Khairunnisa, A. and Meilani, D. (2022) 'Optimasi Formula Dan Uji Aktivitas Antioksidan Minuman Instan Jahe Merah (*Zingiber Officinale* Var. Roscoe) Dengan Metode DPPH', *Journal Of Health And Medical Science*, 1(3), pp. 77–84.
- Khairunnisa, A. and Syukri, A.A. (2019) 'Good Sensory Practices Dan Bias Panelis', *Universitas Terbuka*, pp. 1–29.
- Kosnayani, A.S., Yunianto, A.E. & Rizal, M.E.A. (2022) 'Metode Penyeduhan Terhadap Nilai Kesukaan Dan Aktivitas Antioksidan Seduhan Teh Meniran (*Phyllanthus Niruri* Linn.)', *Action: Aceh Nutrition Journal*, 7(1), p. 1. Available at: <https://doi.org/10.30867/action.v7i1.459>.
- Kristiandi et al. (2021) 'Analisis Kadar Air, Abu, Serat dan Lemak Pada Minuman Sirop Jeruk Siam (*Citrus nobilis* var. *microcarpa*)', *Jurnal Keteknikan Pertanian Tropis dan Biosistem*, 9(2), pp. 165–171. Available at: <https://doi.org/10.21776/ub.jkptb.2021.009.02.07>.
- Kristiandi, K. et al. (2021) 'Analisis Kadar Air, Abu, Serat Dan Lemak Pada Minuman Sirop Jeruk Siam (*Citrus Nobilis* Var. *Microcarpa*)', *Jurnal Keteknikan Pertanian Tropis Dan Biosistem*, 9(2), pp. 165–171. Available at: <https://doi.org/10.21776/ub.jkptb.2021.009.02.07>.
- Lestari, R.K., Amalia, E. and Yuwono, Y. (2018) 'Efektivitas Jeruk Nipis (*Citrus Aurantifolia* Swingle) Sebagai Zat Antiseptik Pada Cuci Tangan', *Jurnal Kedokteran Dan Kesehatan : Publikasi Ilmiah Fakultas Kedokteran Universitas Sriwijaya*, 5(2), pp. 55–65. Available at: <https://doi.org/10.32539/jkk.v5i2.6126>.
- Moulia, N.M. et al. (2018) 'Antimikroba Ekstrak Bawang Putih', *Pangan*, 27(1), pp. 55–66.
- Murniaty, D. et al. (2023) 'Inovasi Produk Minuman Herbal Jalema Sebagai Imunitas Tubuh Pada Masa Pandemi Covid', *Jurnal Sains Terapan Pariwisata*, 8(1), pp. 49–61. Available at: <https://doi.org/10.56743/jstp.v8i1.237>.

- Nurhidayah, S. (2020) 'Minuman Herbal', Sell Journal, 5(1), p. 55. Available at: [http://repository.ukwms.ac.id/id/eprint/27602/2/FILE BAB 1.pdf](http://repository.ukwms.ac.id/id/eprint/27602/2/FILE_BAB_1.pdf).
- Pagune, J. et al. (2023) 'Karakteristik Fisikokimia Dan Hedonik Terhadap Pembuatan Minuman Herbal Binahong (Anredera Cordifolia) Dengan Penambahan Kayu Manis', Jurnal : Agricultural Review, 2(2), pp. 21–32. Available at: <https://doi.org/10.37195/arview.v2i2.652>.
- Panjaitan, L.P. and Barus, A. (2023) 'Local Wisdom Of Tinuktuk Traditional Typical Food In The Simalungun Community', Journal Of Language Development And Linguistics, 2(1), pp. 39–46. Available at: <https://doi.org/10.55927/jldl.v2i1.2834>.
- Pramusinto, Nanik Suhartatik & Kurniawati, L. (2018) 'Formulasi Sirup Herbal Beras Kencur Sebagai Sumber Antioksidan Dengan Substitusi Beras Merah , Jahe , Dan Sereh', Jurnal Teknologi Dan Industri Pangan, 3(1), pp. 26–32.
- Pratiwi, Y.S. et al. (2024) 'The Effect Of Herbal Tea Formulation Made Of Mangosteen Pericarp (Garcinia mangostana), Cinnamon (Cinnamomum verum), And Clove (Syzygium aromaticum) On Panelist Acceptance Level', Amerta Nutrition, 8(1), pp. 1–7. Available at: <https://doi.org/10.20473/amnt.v8i1.2024.1-7>.
- Prisdiany, Y. et al. (2021) 'Potensi Tanaman Herbal Antidiabetes Untuk Minuman Obat: Sebuah Literatur Review', Indonesian Journal Of Clinical Pharmacy, 10(2), p. 144. Available at: <https://doi.org/10.15416/ijcp.2021.10.2.144>.
- Rahayu, D.P. (2021) 'Analisis Kadar Air Dan Abu, Serta Komponen Kimia Pada Sampel Batang Pisang Dengan Variasi Waktu Hidrolisis', Skripsi, p. 78. Available at: [https://dspace.uui.ac.id/bitstream/handle/123456789/35841/18231001 Devina Putri Rahayu.pdf?sequence=1&isAllowed=y](https://dspace.uui.ac.id/bitstream/handle/123456789/35841/18231001%20Devina%20Putri%20Rahayu.pdf?sequence=1&isAllowed=y).
- Rahmanian, N. et al. (2015) 'Analysis Of Physiochemical Parameters To Evaluate The Drinking Water Quality In The State Of Perak, Malaysia', Journal Of chemistry, 2015(Cd), p. 10.

- Redi Aryanta, I.W. (2019) 'Manfaat Jahe Untuk Kesehatan', Widya Kesehatan, 1(2), pp. 39–43. Available at: <https://doi.org/10.32795/widyakesehatan.v1i2.463>.
- Reference, B. et al. (2010) 'Prosedur Analisa Kadar Air (AOAC,2005), Kadar Abu (AOAC, 2010), Kadar Protein (AOAC, 2010), Kadar Pati (AOAC,2010), Kadar Serat Kasar (AOAC, 2010)', (Aoac), pp. 5–6.
- Saragih, S.N. & Pasaribu, P. (2021) 'Tinuktuk sebagai Pengobatan Tradisional Pasca Melahirkan Di Nagori Amborokan Panei Raya, Kecamatan Raya Kahean, Kabupaten Simalungun', Jurnal Antropologi Sumatera, 19(1), p. 9. Available at: <https://doi.org/10.24114/jas.v19i2.31692>.
- Sari, D.R.T. & Bare, Y. (2020) 'Physicochemical Properties And Biological Activity Of Bioactive Compound In Pepper Nigrum: In Silico Study', Spizaetus: Jurnal Biologi Dan Pendidikan Biologi, 1(2), pp. 5–7. Available at: <https://doi.org/10.55241/spibio.v1i2.6>.
- Shaik, M.I., Hamdi, I.H. & Sarbon, N.M. (2023) 'A Comprehensive Review On Traditional Herbal Drinks: Physicochemical, Phytochemicals And Pharmacology Properties', Food Chemistry Advances, 3(June), p. 100460. Available at: <https://doi.org/10.1016/j.focha.2023.100460>.
- Sianipar, C. & Sihotang, E. (2010) 'Eksistensi Tinuktuk Pada Masyarakat Batak Simalungun', pp. 1–14.
- Silalahi, M. (2019) 'Kencur (Kaempferia Galanga) Dan Bioaktivitasnya', Jurnal Pendidikan Informatika Dan Sains, 8(1), p. 127. Available at: <https://doi.org/10.31571/saintek.v8i1.1178>.
- Suhendy, H. (2021) 'Formulasi Dan Evaluasi Minuman Herbal Antioksidan Jahe Merah (Zingiber Officinale Rosc. Var. Rubrum)', Jurnal Ilmiah Farmasi Farmasyifa, 4(2), pp. 79–86. Available at: <https://doi.org/10.29313/jiff.v4i2.7617>.

- Sulfiani, E. et al. (2022) 'Sirup Bucin : Minuman Herbal Kekinian Kombinasi Sari Buah Buni , Sereh Dan Jahe Sebagai Alternatif Minuman Kesehatan Kaya Antioksidan', *Jambura Journal Of Health Sciences And Research*, pp. 1–6. Available at: <https://ejurnal.ung.ac.id/index.php/jjhsr/index%0D>.
- Sunnah, I.S., Mulasih, W.S. & Erwiyani, A.R. (2018) 'Optimasi Formula Dan Stabilitas Senyawa Metabolit Ekstrak Biji Labu Kuning (Cucurbita Maxima) Dalam Sediaan Gel Masker Peel –Off', *Indonesian Journal Of Pharmacy And Natural Product*, 1(2). Available at: <https://doi.org/10.35473/ijpnp.v1i2.91>.
- Sutarto et al. (2022) 'Pembuatan Produk Minuman Herbal Keluarga Dari Bawang', *Jurnal Pengabdian Kepada Masyarakat*, 2(2), pp. 88–91.
- Tarigan, N. et al. (2024) 'Formulasi Resep Dan Sifat Organoleptik Tinuktuk Sebagai Makanan Tradisional Simalungun Novriani Tarigan 1\* , Jansen Silalahi 2 , Urbanus Sihotang 1', 5(2).
- Tarigan, N. (2024) 'Perceptions Of "Tinuktuk" The Traditional Food The Simalungun Ethnic, North Sumatra', *Proposal*, 5(3), pp. 4–6. Available at: <https://www.jurnal.healthsains.co.id/index.php/jhs/article/view/1229/1328>.
- Tarigan, N., Silalahi, J. & Sihotang, U. (2024) 'Formulation Of Recipes and Organoleptic Properties Of Tinuktuk As Simalungun Traditional Food', *Jurnal Health Sains*, 5(2), pp. 85–94. Available at: <https://doi.org/10.46799/jhs.v5i2.1228>.
- Verawati et al. (2023) 'Pengaruh Perbandingan Jenis Jahe Dan Konsentrasi Jahe Pada Karakteristik Kimia, Mikrobiologi Minuman Herbal Tradisional Minaserua', *G-Tech: Jurnal Teknologi Terapan*, 7(4), pp. 1732–1739. Available at: <https://doi.org/10.33379/gtech.v7i4.3387>.
- Wijaya, C.H. et al. (2019) 'A Review Of The Bioactivity And Flavor Properties Of The Exotic Spice "Andaliman" (Zanthoxylum Acanthopodium DC.)', *Food Reviews International*, 35(1), pp. 1–19. Available at: <https://doi.org/10.1080/87559129.2018.1438470>.

- Wilianto, V. & Ervina, E. (2023) 'Evaluating Consumer Preferences Based On The Total Antioxidant Activity Of The Indonesian Herbal Drink "Bandrek"', IOP Conference Series: Earth And Environmental Science, 1169(1). Available at: <https://doi.org/10.1088/1755-1315/1169/1/012090>.
- Wulandari, I.M. & Bahar, A. (2023) 'Uji Sensori Dan Kandungan Antioksidan Minuman TKJ (Temulawak, Kencur, Jahe) Instan Sebagai Minuman Fungsional', *Nutrizione (Nutrition Research and Development Journal)*, 03(2), pp. 43–49. Available at: <https://journal.unnes.ac.id/sju/index.php/nutrizione/article/download/70500/25294>.
- Zakiah, M.D.F. & Budiandari, R.U. (2023) 'Characteristics Of Cucumber Powder Drink (Cucumis Sativus L.) With Addition Of Lime Juice And Concentration Of Maltodextrin Foam Mat Drying Method', *Procedia Of Engineering And Life Science*, 4(June). Available at: <https://doi.org/10.21070/pels.v4i0.1401>.

## LAMPIRAN

### Lampiran 1. Master Tabel

#### Rekapitulasi rata-rata nilai kesukaan terhadap warna, rasa, aroma, dan aftertaste

| No | Warna |       |           |       |       |           | No | Rasa  |       |           |       |       |           |
|----|-------|-------|-----------|-------|-------|-----------|----|-------|-------|-----------|-------|-------|-----------|
|    | 0,519 | 0,240 | Rata-rata | 0,024 | 0,249 | Rata-rata |    | 0,519 | 0,240 | Rata-rata | 0,024 | 0,249 | Rata-rata |
| 1  | 3.00  | 3.00  | 3.00      | 3.00  | 3.00  | 3.00      | 1  | 4.00  | 4.00  | 4.00      | 4.00  | 3.00  | 3.50      |
| 2  | 3.00  | 4.00  | 3.50      | 4.00  | 4.00  | 4.00      | 2  | 3.00  | 3.00  | 3.00      | 2.00  | 4.00  | 3.00      |
| 3  | 2.00  | 3.00  | 2.50      | 3.00  | 2.00  | 2.50      | 3  | 2.00  | 3.00  | 2.50      | 3.00  | 3.00  | 3.00      |
| 4  | 3.00  | 4.00  | 3.50      | 4.00  | 4.00  | 4.00      | 4  | 3.00  | 3.00  | 3.00      | 5.00  | 5.00  | 5.00      |
| 5  | 3.00  | 3.00  | 3.00      | 5.00  | 4.00  | 4.50      | 5  | 3.00  | 4.00  | 3.50      | 4.00  | 3.00  | 3.50      |
| 6  | 4.00  | 5.00  | 4.50      | 5.00  | 5.00  | 5.00      | 6  | 3.00  | 3.00  | 3.00      | 3.00  | 5.00  | 4.00      |
| 7  | 4.00  | 4.00  | 4.00      | 4.00  | 4.00  | 4.00      | 7  | 3.00  | 3.00  | 3.00      | 2.00  | 4.00  | 3.00      |
| 8  | 3.00  | 3.00  | 3.00      | 4.00  | 4.00  | 4.00      | 8  | 1.00  | 2.00  | 1.50      | 2.00  | 3.00  | 2.50      |
| 9  | 3.00  | 3.00  | 3.00      | 4.00  | 3.00  | 3.50      | 9  | 3.00  | 4.00  | 3.50      | 4.00  | 3.00  | 3.50      |
| 10 | 2.00  | 3.00  | 2.50      | 2.00  | 3.00  | 2.50      | 10 | 4.00  | 3.00  | 3.50      | 4.00  | 4.00  | 4.00      |
| 11 | 3.00  | 3.00  | 3.00      | 4.00  | 4.00  | 4.00      | 11 | 2.00  | 2.00  | 2.00      | 3.00  | 3.00  | 3.00      |
| 12 | 3.00  | 3.00  | 3.00      | 4.00  | 3.00  | 3.50      | 12 | 3.00  | 3.00  | 3.00      | 5.00  | 4.00  | 4.50      |
| 13 | 3.00  | 3.00  | 3.00      | 4.00  | 4.00  | 4.00      | 13 | 3.00  | 3.00  | 3.00      | 5.00  | 3.00  | 4.00      |
| 14 | 3.00  | 2.00  | 2.50      | 5.00  | 4.00  | 4.50      | 14 | 3.00  | 3.00  | 3.00      | 4.00  | 3.00  | 3.50      |

|    |      |      |      |      |      |      |    |      |      |      |      |      |      |
|----|------|------|------|------|------|------|----|------|------|------|------|------|------|
| 15 | 3.00 | 4.00 | 3.50 | 3.00 | 3.00 | 3.00 | 15 | 2.00 | 3.00 | 2.50 | 5.00 | 4.00 | 4.50 |
| 16 | 4.00 | 3.00 | 3.50 | 3.00 | 4.00 | 3.50 | 16 | 3.00 | 2.00 | 2.50 | 4.00 | 3.00 | 3.50 |
| 17 | 4.00 | 4.00 | 4.00 | 4.00 | 5.00 | 4.50 | 17 | 2.00 | 3.00 | 2.50 | 4.00 | 3.00 | 3.50 |
| 18 | 3.00 | 3.00 | 3.00 | 4.00 | 5.00 | 4.50 | 18 | 4.00 | 4.00 | 4.00 | 4.00 | 3.00 | 3.50 |
| 19 | 3.00 | 5.00 | 4.00 | 4.00 | 3.00 | 3.50 | 19 | 5.00 | 4.00 | 4.50 | 5.00 | 3.00 | 4.00 |
| 20 | 3.00 | 3.00 | 3.00 | 3.00 | 4.00 | 3.50 | 20 | 2.00 | 3.00 | 2.50 | 4.00 | 4.00 | 4.00 |
| 21 | 2.00 | 2.00 | 2.00 | 3.00 | 4.00 | 3.50 | 21 | 2.00 | 3.00 | 2.50 | 5.00 | 5.00 | 5.00 |
| 22 | 3.00 | 2.00 | 2.50 | 4.00 | 3.00 | 3.50 | 22 | 3.00 | 3.00 | 3.00 | 5.00 | 4.00 | 4.50 |
| 23 | 3.00 | 4.00 | 3.50 | 3.00 | 3.00 | 3.00 | 23 | 4.00 | 3.00 | 3.50 | 5.00 | 4.00 | 4.50 |
| 24 | 3.00 | 5.00 | 4.00 | 3.00 | 3.00 | 3.00 | 24 | 3.00 | 4.00 | 3.50 | 4.00 | 4.00 | 4.00 |
| 25 | 3.00 | 3.00 | 3.00 | 3.00 | 4.00 | 3.50 | 25 | 4.00 | 4.00 | 4.00 | 3.00 | 2.00 | 2.50 |
| 26 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 4.00 | 26 | 3.00 | 2.00 | 2.50 | 3.00 | 4.00 | 3.50 |
| 27 | 2.00 | 2.00 | 2.00 | 4.00 | 3.00 | 3.50 | 27 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 4.00 |
| 28 | 3.00 | 2.00 | 2.50 | 5.00 | 5.00 | 5.00 | 28 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 29 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 4.00 | 29 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| 30 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 4.00 | 30 | 2.00 | 3.00 | 2.50 | 4.00 | 4.00 | 4.00 |
| 31 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 3.00 | 31 | 1.00 | 2.00 | 1.50 | 2.00 | 3.00 | 2.50 |
| 32 | 4.00 | 3.00 | 3.50 | 2.00 | 4.00 | 3.00 | 32 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| 33 | 2.00 | 4.00 | 3.00 | 3.00 | 3.00 | 3.00 | 33 | 3.00 | 4.00 | 3.50 | 2.00 | 2.00 | 2.00 |
| 34 | 2.00 | 1.00 | 1.50 | 2.00 | 2.00 | 2.00 | 34 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 4.00 |

|    |      |      |      |      |      |      |    |      |      |      |      |      |      |
|----|------|------|------|------|------|------|----|------|------|------|------|------|------|
| 35 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 35 | 3.00 | 3.00 | 3.00 | 4.00 | 3.00 | 3.50 |
| 36 | 4.00 | 3.00 | 3.50 | 2.00 | 2.00 | 2.00 | 36 | 3.00 | 4.00 | 3.50 | 5.00 | 4.00 | 4.50 |
| 37 | 3.00 | 4.00 | 3.50 | 3.00 | 3.00 | 3.00 | 37 | 3.00 | 5.00 | 4.00 | 5.00 | 4.00 | 4.50 |
| 38 | 4.00 | 4.00 | 4.00 | 4.00 | 3.00 | 3.50 | 38 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 3.00 |
| 39 | 3.00 | 4.00 | 3.50 | 3.00 | 3.00 | 3.00 | 39 | 2.00 | 3.00 | 2.50 | 4.00 | 3.00 | 3.50 |
| 40 | 4.00 | 3.00 | 3.50 | 3.00 | 5.00 | 4.00 | 40 | 3.00 | 3.00 | 3.00 | 2.00 | 1.00 | 1.50 |
| 41 | 3.00 | 2.00 | 2.50 | 1.00 | 4.00 | 2.50 | 41 | 2.00 | 2.00 | 2.00 | 3.00 | 2.00 | 2.50 |
| 42 | 3.00 | 4.00 | 3.50 | 2.00 | 3.00 | 2.50 | 42 | 3.00 | 4.00 | 3.50 | 3.00 | 2.00 | 2.50 |
| 43 | 4.00 | 5.00 | 4.50 | 3.00 | 4.00 | 3.50 | 43 | 3.00 | 4.00 | 3.50 | 2.00 | 3.00 | 2.50 |
| 44 | 4.00 | 4.00 | 4.00 | 3.00 | 2.00 | 2.50 | 44 | 1.00 | 3.00 | 2.00 | 5.00 | 3.00 | 4.00 |
| 45 | 4.00 | 5.00 | 5.00 | 4.00 | 4.00 | 4.00 | 45 | 4.00 | 3.00 | 3.50 | 1.00 | 3.00 | 2.00 |
| 46 | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 3.00 | 46 | 2.00 | 2.00 | 2.00 | 4.00 | 3.00 | 3.50 |
| 47 | 4.00 | 3.00 | 3.50 | 3.00 | 4.00 | 3.50 | 47 | 3.00 | 1.00 | 2.00 | 5.00 | 4.00 | 4.50 |
| 48 | 3.00 | 3.00 | 3.00 | 4.00 | 5.00 | 4.50 | 48 | 3.00 | 5.00 | 4.00 | 3.00 | 3.00 | 3.00 |
| 49 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 3.00 | 49 | 4.00 | 5.00 | 4.50 | 2.00 | 2.00 | 2.00 |
| 50 | 4.00 | 3.00 | 3.50 | 5.00 | 4.00 | 4.50 | 50 | 3.00 | 4.00 | 3.50 | 3.00 | 4.00 | 3.50 |

| No | Aroma |       |           |       |       |           | Aftertaste |       |       |           |       |       |           |
|----|-------|-------|-----------|-------|-------|-----------|------------|-------|-------|-----------|-------|-------|-----------|
|    | 0,519 | 0,240 | Rata-rata | 0,024 | 0,249 | Rata-rata | No         | 0,519 | 0,240 | Rata-rata | 0,024 | 0,249 | Rata-rata |
| 1  | 3.00  | 3.00  | 3.00      | 4.00  | 3.00  | 3.50      | 1          | 3.00  | 3.00  | 3.00      | 2.00  | 3.00  | 2.50      |
| 2  | 4.00  | 4.00  | 4.00      | 5.00  | 4.00  | 4.50      | 2          | 2.00  | 2.00  | 2.00      | 3.00  | 3.00  | 3.00      |
| 3  | 3.00  | 3.00  | 3.00      | 3.00  | 3.00  | 3.00      | 3          | 4.00  | 4.00  | 4.00      | 3.00  | 4.00  | 3.50      |
| 4  | 2.00  | 3.00  | 2.50      | 2.00  | 2.00  | 2.00      | 4          | 4.00  | 3.00  | 3.50      | 3.00  | 3.00  | 3.00      |
| 5  | 3.00  | 4.00  | 3.50      | 3.00  | 4.00  | 3.50      | 5          | 3.00  | 3.00  | 3.00      | 3.00  | 4.00  | 3.50      |
| 6  | 4.00  | 3.00  | 3.50      | 4.00  | 3.00  | 3.50      | 6          | 3.00  | 4.00  | 3.50      | 1.00  | 2.00  | 1.50      |
| 7  | 3.00  | 3.00  | 3.00      | 2.00  | 4.00  | 3.00      | 7          | 4.00  | 5.00  | 4.50      | 4.00  | 3.00  | 3.50      |
| 8  | 4.00  | 3.00  | 3.50      | 3.00  | 3.00  | 3.00      | 8          | 4.00  | 5.00  | 4.50      | 3.00  | 3.00  | 3.00      |
| 9  | 1.00  | 2.00  | 1.50      | 2.00  | 1.00  | 1.50      | 9          | 4.00  | 3.00  | 3.50      | 4.00  | 3.00  | 3.50      |
| 10 | 5.00  | 4.00  | 4.50      | 4.00  | 4.00  | 4.00      | 10         | 3.00  | 4.00  | 3.50      | 3.00  | 3.00  | 3.00      |
| 11 | 4.00  | 3.00  | 3.50      | 5.00  | 5.00  | 5.00      | 11         | 4.00  | 4.00  | 4.00      | 4.00  | 3.00  | 3.50      |
| 12 | 3.00  | 3.00  | 3.00      | 4.00  | 3.00  | 3.50      | 12         | 4.00  | 3.00  | 3.50      | 3.00  | 3.00  | 3.00      |
| 13 | 4.00  | 3.00  | 3.50      | 2.00  | 4.00  | 3.00      | 13         | 4.00  | 4.00  | 4.00      | 4.00  | 3.00  | 3.50      |
| 14 | 2.00  | 3.00  | 2.50      | 2.00  | 3.00  | 2.50      | 14         | 5.00  | 4.00  | 4.50      | 3.00  | 3.00  | 3.00      |
| 15 | 4.00  | 4.00  | 4.00      | 4.00  | 3.00  | 3.50      | 15         | 3.00  | 3.00  | 3.00      | 4.00  | 4.00  | 4.00      |
| 16 | 3.00  | 3.00  | 3.00      | 4.00  | 4.00  | 4.00      | 16         | 3.00  | 3.00  | 3.00      | 2.00  | 3.00  | 2.50      |
| 17 | 3.00  | 3.00  | 3.00      | 3.00  | 3.00  | 3.00      | 17         | 5.00  | 5.00  | 5.00      | 3.00  | 3.00  | 3.00      |
| 18 | 4.00  | 4.00  | 4.00      | 5.00  | 4.00  | 4.50      | 18         | 3.00  | 2.00  | 2.50      | 4.00  | 4.00  | 4.00      |
| 19 | 4.00  | 3.00  | 3.50      | 5.00  | 3.00  | 4.00      | 19         | 4.00  | 4.00  | 4.00      | 4.00  | 3.00  | 3.50      |
| 20 | 4.00  | 4.00  | 4.00      | 4.00  | 3.00  | 3.50      | 20         | 5.00  | 4.00  | 4.50      | 4.00  | 4.00  | 4.00      |
| 21 | 4.00  | 1.00  | 2.50      | 5.00  | 4.00  | 4.50      | 21         | 4.00  | 4.00  | 4.00      | 4.00  | 1.00  | 2.50      |
| 22 | 4.00  | 4.00  | 4.00      | 4.00  | 3.00  | 3.50      | 22         | 4.00  | 3.00  | 3.50      | 4.00  | 4.00  | 4.00      |
| 23 | 3.00  | 4.00  | 3.50      | 4.00  | 3.00  | 3.50      | 23         | 4.00  | 5.00  | 4.50      | 3.00  | 4.00  | 3.50      |
| 24 | 4.00  | 3.00  | 3.50      | 4.00  | 3.00  | 3.50      | 24         | 4.00  | 5.00  | 4.50      | 4.00  | 3.00  | 3.50      |
| 25 | 3.00  | 3.00  | 3.00      | 5.00  | 3.00  | 4.00      | 25         | 4.00  | 4.00  | 4.00      | 3.00  | 3.00  | 3.00      |
| 26 | 3.00  | 4.00  | 3.50      | 4.00  | 4.00  | 4.00      | 26         | 5.00  | 4.00  | 4.50      | 3.00  | 4.00  | 3.50      |

|    |      |      |      |      |      |      |    |      |      |      |      |      |      |
|----|------|------|------|------|------|------|----|------|------|------|------|------|------|
| 27 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 5.00 | 27 | 3.00 | 4.00 | 3.50 | 2.00 | 2.00 | 2.00 |
| 28 | 5.00 | 4.00 | 4.50 | 5.00 | 4.00 | 4.50 | 28 | 4.00 | 3.00 | 3.50 | 5.00 | 5.00 | 5.00 |
| 29 | 2.00 | 3.00 | 2.50 | 5.00 | 4.00 | 4.50 | 29 | 3.00 | 3.00 | 3.00 | 5.00 | 4.00 | 4.50 |
| 30 | 3.00 | 5.00 | 4.00 | 4.00 | 4.00 | 4.00 | 30 | 3.00 | 3.00 | 3.00 | 2.00 | 3.00 | 2.50 |
| 31 | 4.00 | 4.00 | 4.00 | 3.00 | 2.00 | 2.50 | 31 | 3.00 | 4.00 | 3.50 | 3.00 | 5.00 | 4.00 |
| 32 | 3.00 | 3.00 | 3.00 | 3.00 | 4.00 | 3.50 | 32 | 4.00 | 3.00 | 3.50 | 4.00 | 4.00 | 4.00 |
| 33 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 4.00 | 33 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| 34 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 4.00 | 34 | 2.00 | 3.00 | 2.50 | 3.00 | 3.00 | 3.00 |
| 35 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 35 | 2.00 | 2.00 | 2.00 | 3.00 | 3.00 | 3.00 |
| 36 | 5.00 | 4.00 | 4.50 | 4.00 | 4.00 | 4.00 | 36 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 |
| 37 | 2.00 | 2.00 | 2.00 | 2.00 | 3.00 | 2.50 | 37 | 4.00 | 4.00 | 4.00 | 5.00 | 4.00 | 4.50 |
| 38 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 3.00 | 38 | 3.00 | 4.00 | 3.50 | 3.00 | 4.00 | 3.50 |
| 39 | 3.00 | 4.00 | 3.50 | 2.00 | 2.00 | 2.00 | 39 | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 3.00 |
| 40 | 3.00 | 3.00 | 3.00 | 4.00 | 4.00 | 4.00 | 40 | 4.00 | 3.00 | 3.50 | 2.00 | 3.00 | 2.50 |
| 41 | 3.00 | 4.00 | 3.50 | 4.00 | 3.00 | 3.50 | 41 | 5.00 | 5.00 | 5.00 | 3.00 | 3.00 | 3.00 |
| 42 | 4.00 | 4.00 | 4.00 | 5.00 | 4.00 | 4.50 | 42 | 4.00 | 4.00 | 4.00 | 3.00 | 4.00 | 3.50 |
| 43 | 2.00 | 3.00 | 2.50 | 5.00 | 4.00 | 4.50 | 43 | 4.00 | 4.00 | 4.00 | 3.00 | 3.00 | 3.00 |
| 44 | 2.00 | 3.00 | 2.50 | 3.00 | 3.00 | 3.00 | 44 | 2.00 | 4.00 | 3.00 | 3.00 | 4.00 | 3.50 |
| 45 | 3.00 | 4.00 | 3.50 | 4.00 | 3.00 | 3.50 | 45 | 3.00 | 5.00 | 4.00 | 4.00 | 4.00 | 4.00 |
| 46 | 2.00 | 3.00 | 2.50 | 4.00 | 4.00 | 4.00 | 46 | 1.00 | 4.00 | 2.50 | 2.00 | 3.00 | 2.50 |
| 47 | 3.00 | 4.00 | 3.50 | 5.00 | 5.00 | 5.00 | 47 | 2.00 | 3.00 | 2.50 | 2.00 | 3.00 | 2.50 |
| 48 | 3.00 | 3.00 | 3.00 | 5.00 | 4.00 | 4.50 | 48 | 3.00 | 4.00 | 3.50 | 3.00 | 4.00 | 3.50 |
| 49 | 2.00 | 3.00 | 2.50 | 3.00 | 2.00 | 2.50 | 49 | 3.00 | 2.00 | 2.50 | 2.00 | 3.00 | 2.50 |
| 50 | 4.00 | 4.00 | 4.00 | 5.00 | 5.00 | 5.00 | 50 | 5.00 | 5.00 | 5.00 | 2.00 | 2.00 | 2.00 |

| Penilaian Form Aftertaste |             |                   |               |                      |
|---------------------------|-------------|-------------------|---------------|----------------------|
| No                        | Kode sampel | Intensitas<br>1-5 | Durasi<br>1-5 | Kesan<br>keseluruhan |
| 1                         | 0,024       | 3                 | 1             | 2                    |
| 2                         |             | 3                 | 3             | 3                    |
| 3                         |             | 3                 | 2             | 4                    |
| 4                         |             | 4                 | 2             | 3                    |
| 5                         |             | 2                 | 4             | 3                    |
| 6                         |             | 1                 | 1             | 1                    |
| 7                         |             | 3                 | 4             | 5                    |
| 8                         |             | 3                 | 3             | 3                    |
| 9                         |             | 5                 | 2             | 5                    |
| 10                        |             | 3                 | 2             | 4                    |
| 11                        |             | 3                 | 5             | 4                    |
| 12                        |             | 3                 | 2             | 4                    |
| 13                        |             | 5                 | 2             | 5                    |
| 14                        |             | 3                 | 3             | 3                    |
| 15                        |             | 4                 | 4             | 4                    |
| 16                        |             | 2                 | 2             | 2                    |
| 17                        |             | 4                 | 2             | 3                    |
| 18                        |             | 4                 | 3             | 5                    |
| 19                        |             | 4                 | 4             | 4                    |
| 20                        |             | 5                 | 3             | 4                    |
| 21                        |             | 4                 | 5             | 3                    |
| 22                        |             | 4                 | 4             | 4                    |
| 23                        |             | 3                 | 3             | 3                    |
| 24                        |             | 5                 | 3             | 4                    |
| 25                        |             | 3                 | 4             | 2                    |
| 26                        |             | 3                 | 3             | 3                    |
| 27                        |             | 3                 | 1             | 2                    |
| 28                        |             | 5                 | 5             | 5                    |

|    |       |   |   |   |
|----|-------|---|---|---|
| 29 |       | 5 | 5 | 5 |
| 30 | 0,024 | 3 | 1 | 2 |
| 31 |       | 3 | 3 | 3 |
| 32 |       | 4 | 4 | 4 |
| 33 |       | 3 | 3 | 3 |
| 34 |       | 2 | 3 | 4 |
| 35 |       | 3 | 2 | 4 |
| 36 |       | 3 | 3 | 3 |
| 37 |       | 5 | 5 | 5 |
| 38 |       | 3 | 3 | 3 |
| 39 |       | 3 | 3 | 3 |
| 40 |       | 2 | 1 | 3 |
| 41 |       | 3 | 3 | 3 |
| 42 |       | 4 | 2 | 3 |
| 43 |       | 3 | 4 | 2 |
| 44 |       | 3 | 3 | 3 |
| 45 |       | 4 | 4 | 4 |
| 46 |       | 2 | 2 | 2 |
| 47 |       | 2 | 1 | 3 |
| 48 |       | 4 | 2 | 3 |
| 49 |       | 2 | 2 | 2 |
| 50 |       | 2 | 1 | 3 |
| 1  | 0,240 | 3 | 3 | 3 |
| 2  |       | 2 | 2 | 2 |
| 3  |       | 4 | 3 | 5 |
| 4  |       | 3 | 2 | 4 |
| 5  |       | 3 | 3 | 3 |
| 6  |       | 4 | 3 | 5 |
| 7  |       | 5 | 5 | 5 |
| 8  |       | 5 | 5 | 5 |
| 9  |       | 3 | 3 | 3 |

|    |       |   |   |   |
|----|-------|---|---|---|
| 10 |       | 5 | 2 | 5 |
| 11 | 0,240 | 4 | 4 | 4 |
| 12 |       | 4 | 2 | 3 |
| 13 |       | 5 | 2 | 5 |
| 14 |       | 4 | 4 | 4 |
| 15 |       | 3 | 3 | 3 |
| 16 |       | 3 | 2 | 4 |
| 17 |       | 5 | 5 | 5 |
| 18 |       | 2 | 2 | 2 |
| 19 |       | 4 | 3 | 5 |
| 20 |       | 4 | 4 | 4 |
| 21 |       | 4 | 3 | 5 |
| 22 |       | 3 | 3 | 3 |
| 23 |       | 5 | 5 | 5 |
| 24 |       | 5 | 5 | 5 |
| 25 |       | 4 | 4 | 4 |
| 26 |       | 5 | 2 | 5 |
| 27 |       | 4 | 4 | 4 |
| 28 |       | 3 | 3 | 3 |
| 29 |       | 3 | 3 | 3 |
| 30 |       | 4 | 2 | 3 |
| 31 |       | 5 | 2 | 5 |
| 32 |       | 3 | 3 | 3 |
| 33 |       | 3 | 2 | 4 |
| 34 |       | 4 | 2 | 3 |
| 35 |       | 2 | 1 | 3 |
| 36 |       | 3 | 3 | 3 |
| 37 |       | 4 | 4 | 4 |
| 38 |       | 5 | 2 | 5 |
| 39 |       | 4 | 3 | 4 |
| 40 |       | 3 | 3 | 3 |

|    |       |   |   |   |
|----|-------|---|---|---|
| 41 |       | 5 | 5 | 5 |
| 42 | 0,240 | 5 | 2 | 5 |
| 43 |       | 4 | 4 | 4 |
| 44 |       | 5 | 2 | 5 |
| 45 |       | 5 | 5 | 5 |
| 46 |       | 5 | 2 | 5 |
| 47 |       | 3 | 3 | 3 |
| 48 |       | 4 | 4 | 4 |
| 49 |       | 2 | 2 | 2 |
| 50 |       | 5 | 5 | 5 |
| 1  | 0,249 | 3 | 2 | 4 |
| 2  |       | 3 | 3 | 3 |
| 3  |       | 4 | 4 | 4 |
| 4  |       | 3 | 2 | 4 |
| 5  |       | 5 | 2 | 5 |
| 6  |       | 2 | 2 | 2 |
| 7  |       | 3 | 3 | 3 |
| 8  |       | 3 | 2 | 4 |
| 9  |       | 2 | 4 | 3 |
| 10 |       | 3 | 3 | 3 |
| 11 |       | 3 | 3 | 3 |
| 12 |       | 4 | 2 | 3 |
| 13 |       | 3 | 3 | 3 |
| 14 |       | 3 | 3 | 3 |
| 15 |       | 5 | 2 | 5 |
| 16 |       | 3 | 3 | 3 |
| 17 |       | 3 | 3 | 3 |
| 18 |       | 4 | 4 | 4 |
| 19 |       | 3 | 2 | 4 |
| 20 |       | 5 | 2 | 5 |
| 21 |       | 1 | 1 | 1 |

|    |       |   |   |   |
|----|-------|---|---|---|
| 22 |       | 4 | 4 | 4 |
| 23 | 0,249 | 5 | 2 | 5 |
| 24 |       | 3 | 3 | 3 |
| 25 |       | 3 | 2 | 4 |
| 26 |       | 4 | 4 | 4 |
| 27 |       | 2 | 2 | 2 |
| 28 |       | 5 | 5 | 5 |
| 29 |       | 5 | 2 | 5 |
| 30 |       | 4 | 1 | 4 |
| 31 |       | 5 | 5 | 5 |
| 32 |       | 4 | 4 | 4 |
| 33 |       | 3 | 2 | 4 |
| 34 |       | 4 | 1 | 4 |
| 35 |       | 3 | 3 | 3 |
| 36 |       | 3 | 2 | 4 |
| 37 |       | 5 | 2 | 5 |
| 38 |       | 4 | 4 | 4 |
| 39 |       | 3 | 3 | 3 |
| 40 |       | 4 | 1 | 4 |
| 41 |       | 3 | 3 | 3 |
| 42 |       | 3 | 4 | 5 |
| 43 |       | 3 | 2 | 4 |
| 44 |       | 4 | 4 | 4 |
| 45 |       | 4 | 3 | 5 |
| 46 |       | 3 | 3 | 3 |
| 47 |       | 3 | 3 | 3 |
| 48 |       | 5 | 2 | 5 |
| 49 |       | 3 | 3 | 3 |
| 50 |       | 2 | 2 | 2 |
| 1  | 0,519 | 3 | 2 | 4 |
| 2  |       | 2 | 1 | 3 |

|    |       |   |   |   |
|----|-------|---|---|---|
| 3  |       | 4 | 4 | 4 |
| 4  | 0,519 | 4 | 4 | 4 |
| 5  |       | 3 | 3 | 3 |
| 6  |       | 3 | 2 | 4 |
| 7  |       | 4 | 4 | 4 |
| 8  |       | 5 | 2 | 5 |
| 9  |       | 4 | 4 | 4 |
| 10 |       | 3 | 2 | 4 |
| 11 |       | 5 | 2 | 5 |
| 12 |       | 4 | 4 | 4 |
| 13 |       | 4 | 3 | 5 |
| 14 |       | 5 | 5 | 5 |
| 15 |       | 3 | 3 | 3 |
| 16 |       | 3 | 3 | 3 |
| 17 |       | 5 | 5 | 5 |
| 18 |       | 3 | 2 | 4 |
| 19 |       | 4 | 4 | 4 |
| 20 |       | 5 | 5 | 5 |
| 21 |       | 4 | 4 | 4 |
| 22 |       | 5 | 2 | 5 |
| 23 |       | 4 | 4 | 4 |
| 24 |       | 4 | 3 | 5 |
| 25 |       | 4 | 4 | 4 |
| 26 |       | 5 | 5 | 5 |
| 27 |       | 4 | 1 | 4 |
| 28 |       | 4 | 4 | 4 |
| 29 |       | 3 | 3 | 3 |
| 30 |       | 3 | 2 | 4 |
| 31 |       | 3 | 3 | 3 |
| 32 |       | 5 | 2 | 5 |
| 33 |       | 3 | 3 | 3 |

|    |              |   |   |   |
|----|--------------|---|---|---|
| 34 |              | 2 | 2 | 2 |
| 35 | <b>0,519</b> | 2 | 1 | 3 |
| 36 |              | 3 | 2 | 4 |
| 37 |              | 5 | 2 | 5 |
| 38 |              | 4 | 1 | 4 |
| 39 |              | 5 | 2 | 5 |
| 40 |              | 4 | 4 | 4 |
| 41 |              | 5 | 5 | 5 |
| 42 |              | 4 | 3 | 5 |
| 43 |              | 5 | 2 | 5 |
| 44 |              | 2 | 1 | 3 |
| 45 |              | 3 | 3 | 3 |
| 46 |              | 1 | 1 | 1 |
| 47 |              | 2 | 2 | 2 |
| 48 |              | 3 | 2 | 4 |
| 49 |              | 3 | 3 | 3 |
| 50 |              | 5 | 5 | 5 |

## Lampiran 2. Hasil Analisis Uji T - Independent

Hasil analisis kesukaan pa nelis terhadap warna, rasa, aroma, dan aftertaste pada minuman herbal tinuktuk:

### 1. Warna

| Tests of Normality                    |           |                                 |    |      |              |    |      |
|---------------------------------------|-----------|---------------------------------|----|------|--------------|----|------|
| warna kode                            |           | Kolmogorov-Smirnov <sup>a</sup> |    |      | Shapiro-Wilk |    |      |
|                                       |           | Statistic                       | df | Sig. | Statistic    | df | Sig. |
| gabungan warna MT1 dan MT2            | warna MT1 | .139                            | 50 | .017 | .955         | 50 | .055 |
|                                       | warna MT2 | .169                            | 50 | .001 | .955         | 50 | .056 |
| a. Lilliefors Significance Correction |           |                                 |    |      |              |    |      |

### T-Test Warna

| Group Statistics           |           |    |        |                |                 |
|----------------------------|-----------|----|--------|----------------|-----------------|
| warna kode                 |           | N  | Mean   | Std. Deviation | Std. Error Mean |
| gabungan warna MT1 dan MT2 | warna MT1 | 50 | 3.5100 | .72485         | .10251          |
|                            | warna MT2 | 50 | 3.2000 | .70711         | .10000          |

| Independent Samples Test   |                             |                                         |      |                              |        |                 |                 |                       |                                           |         |
|----------------------------|-----------------------------|-----------------------------------------|------|------------------------------|--------|-----------------|-----------------|-----------------------|-------------------------------------------|---------|
|                            |                             | Levene's Test for Equality of Variances |      | t-test for Equality of Means |        |                 |                 |                       |                                           |         |
|                            |                             | F                                       | Sig. | t                            | df     | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference |         |
|                            |                             |                                         |      |                              |        |                 |                 |                       | Lower                                     | Upper   |
| gabungan warna MT1 dan MT2 | Equal variances assumed     | .036                                    | .850 | -2.165                       | 98     | .033            | -.31000         | .14321                | -.02581                                   | -.59419 |
|                            | Equal variances not assumed |                                         |      | -2.165                       | 97.940 | .033            | -.31000         | .14321                | -.02581                                   | -.59419 |

## 2. Rasa

| Tests of Normality                    |          |                                 |    |      |              |    |      |
|---------------------------------------|----------|---------------------------------|----|------|--------------|----|------|
| rasa kode                             |          | Kolmogorov-Smirnov <sup>a</sup> |    |      | Shapiro-Wilk |    |      |
|                                       |          | Statistic                       | df | Sig. | Statistic    | df | Sig. |
| gabungan rasa MT1 dan MT2             | rasa MT1 | .149                            | 50 | .007 | .955         | 50 | .055 |
|                                       | rasa MT2 | .150                            | 50 | .007 | .957         | 50 | .069 |
| a. Lilliefors Significance Correction |          |                                 |    |      |              |    |      |

### T-Test Rasa

| Group Statistics          |          |    |        |                |                 |
|---------------------------|----------|----|--------|----------------|-----------------|
| rasa kode                 |          | N  | Mean   | Std. Deviation | Std. Error Mean |
| gabungan rasa MT1 dan MT2 | rasa MT1 | 50 | 3.0200 | .72815         | .10298          |
|                           | rasa MT2 | 50 | 3.4800 | .82040         | .11602          |

| Independent Samples Test  |                             |                                         |      |                              |        |                 |                 |                       |                                           |         |
|---------------------------|-----------------------------|-----------------------------------------|------|------------------------------|--------|-----------------|-----------------|-----------------------|-------------------------------------------|---------|
|                           |                             | Levene's Test for Equality of Variances |      | t-test for Equality of Means |        |                 |                 |                       |                                           |         |
|                           |                             | F                                       | Sig. | t                            | df     | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference |         |
|                           |                             |                                         |      |                              |        |                 |                 |                       | Lower                                     | Upper   |
| gabungan rasa MT1 dan MT2 | Equal variances assumed     | .721                                    | .398 | -2.965                       | 98     | .004            | -.46000         | .15513                | -.76785                                   | -.15215 |
|                           | Equal variances not assumed |                                         |      | -2.965                       | 96.638 | .004            | -.46000         | .15513                | -.76790                                   | -.15210 |

### 3. Aroma

| Tests of Normality                    |           |                                 |    |      |              |    |      |
|---------------------------------------|-----------|---------------------------------|----|------|--------------|----|------|
| aroma kode                            |           | Kolmogorov-Smirnov <sup>a</sup> |    |      | Shapiro-Wilk |    |      |
|                                       |           | Statistic                       | df | Sig. | Statistic    | df | Sig. |
| gabungan aroma MT1 dan MT2            | aroma MT1 | .153                            | 50 | .005 | .955         | 50 | .057 |
|                                       | aroma MT2 | .137                            | 50 | .019 | .955         | 50 | .053 |
| a. Lilliefors Significance Correction |           |                                 |    |      |              |    |      |

#### T-Test Aroma

| Group Statistics           |           |    |        |                |                 |
|----------------------------|-----------|----|--------|----------------|-----------------|
| aroma kode                 |           | N  | Mean   | Std. Deviation | Std. Error Mean |
| gabungan aroma MT1 dan MT2 | aroma MT1 | 50 | 3.3100 | .69171         | .09782          |
|                            | aroma MT2 | 50 | 3.6300 | .82567         | .11677          |

| Independent Samples Test   |                             |                                         |      |                              |        |                 |                 |                       |                                           |         |
|----------------------------|-----------------------------|-----------------------------------------|------|------------------------------|--------|-----------------|-----------------|-----------------------|-------------------------------------------|---------|
|                            |                             | Levene's Test for Equality of Variances |      | t-test for Equality of Means |        |                 |                 |                       |                                           |         |
|                            |                             | F                                       | Sig. | t                            | df     | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference |         |
|                            |                             |                                         |      |                              |        |                 |                 |                       | Lower                                     | Upper   |
| gabungan aroma MT1 dan MT2 | Equal variances assumed     | 1.328                                   | .252 | -2.101                       | 98     | .038            | -.32000         | .15233                | -.62229                                   | -.01771 |
|                            | Equal variances not assumed |                                         |      | -2.101                       | 95.082 | .038            | -.32000         | .15233                | -.62241                                   | -.01759 |

#### 4. Aftertaste

| Tests of Normality                    |                   |                                 |    |      |              |    |      |
|---------------------------------------|-------------------|---------------------------------|----|------|--------------|----|------|
| after taste kode                      |                   | Kolmogorov-Smirnov <sup>a</sup> |    |      | Shapiro-Wilk |    |      |
|                                       |                   | Statistic                       | df | Sig. | Statistic    | df | Sig. |
| gabungan<br>aftertaste MT1<br>dan MT2 | aftertaste<br>MT1 | .132                            | 50 | .028 | .955         | 50 | .056 |
|                                       | aftertaste<br>MT2 | .153                            | 50 | .005 | .954         | 50 | .052 |
| a. Lilliefors Significance Correction |                   |                                 |    |      |              |    |      |

#### T-Test Aftertaste

| Group Statistics                   |                   |    |        |                |                 |
|------------------------------------|-------------------|----|--------|----------------|-----------------|
| aftertaste kode                    |                   | N  | Mean   | Std. Deviation | Std. Error Mean |
| gabungan aftertaste<br>MT1 dan MT2 | aftertaste<br>MT1 | 50 | 3.5900 | .75383         | .10661          |
|                                    | aftertaste<br>MT2 | 50 | 3.2300 | .67921         | .09605          |

| Independent Samples Test                 |                             |                                         |      |                              |        |                 |                 |                       |                                           |        |
|------------------------------------------|-----------------------------|-----------------------------------------|------|------------------------------|--------|-----------------|-----------------|-----------------------|-------------------------------------------|--------|
|                                          |                             | Levene's Test for Equality of Variances |      | t-test for Equality of Means |        |                 |                 |                       |                                           |        |
|                                          |                             | F                                       | Sig. | t                            | df     | Sig. (2-tailed) | Mean Difference | Std. Error Difference | 95% Confidence Interval of the Difference |        |
|                                          |                             |                                         |      |                              |        |                 |                 |                       | Lower                                     | Upper  |
| gabungan<br>aftertaste<br>MT1 dan<br>MT2 | Equal variances assumed     | .590                                    | .444 | 2.509                        | 98     | .014            | .36000          | .14350                | .07523                                    | .64477 |
|                                          | Equal variances not assumed |                                         |      | 2.509                        | 96.954 | .014            | .36000          | .14350                | .07519                                    | .64481 |

### Lampiran 3. Hasil Lab Uji Kadar Abu

#### 1. Hasil Lab Kadar Abu MT1



28.1/F-PP Revisi 5

| No | Parameter   | Unit | Simplo | Duplo | Limit Of Detection | Method                     |
|----|-------------|------|--------|-------|--------------------|----------------------------|
| 1  | Ash Content | %    | 8.52   | 8.65  | -                  | SNI 01-2891-1992 butir 6.1 |

Bogor, January 08, 2025  
PT. Saraswanti Indo Genetech



Dwi Yulianto Laksono, S.Si  
General Laboratory Manager



SIG Laboratory (1st Location)  
Graha SIG Jl. Rasamala No. 20 Taman  
Yasmin Bogor 16113  
Phone: +62 251 7532 348

SIG Laboratory (3rd Location)  
Jl. Raya Cifer RT 03 RW 08  
Bubulak Bogor

SIG Laboratory (2nd Location)  
Jl. Semeru B Ruko No.21  
Menteng Bogor

SIG Laboratory (4th Location)  
Jl. Kanfer Raya Blok R No. 4 Pedalangan, Kec.  
Banyumanik, Semarang, Jawa Tengah 50268

Result Of Analysis | Page 2 of 2

The results of these tests relate only to the sample(s) submitted.  
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## 2. Hasil Lab Kadar Abu MT2



28.1/F-PP Revisi 5

| No | Parameter | Unit | Simplo | Duplo | Limit Of Detection | Method                     |
|----|-----------|------|--------|-------|--------------------|----------------------------|
| 1  | Kadar Abu | %    | 9.06   | 9.10  | -                  | SNI 01-2891-1992 butir 6.1 |

Bogor, 08 Januari 2025  
PT. Saraswanti Indo Genetech



Dwi Yulianto Laksono, S.Si  
General Laboratory Manager



SIG Laboratory (1st Location)  
Graha SIG Jl. Rasamala No. 20 Taman  
Yasmin Bogor 16113  
Phone. +62 251 7532 348

SIG Laboratory (3rd Location)  
Jl. Raya Cifor RT 03 RW 08  
Bubulak Bogor

SIG Laboratory (2nd Location)  
Jl. Semeru B Ruko No.21  
Menteng Bogor

SIG Laboratory (4th Location)  
Jl. Kanfer Raya Blok R No. 4 Pedalangan, Kec.  
Banyumanik, Semarang, Jawa Tengah 50268

Result Of Analysis | Page 2 of 2

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## Lampiran 4. Hasil Lab Uji Kadar Air

### 1. Hasil Lab Kadar Air MT1



28.1/F-PP Revisi 5

| No | Parameter        | Unit | Simplo | Duplo | Limit Of Detection | Method                     |
|----|------------------|------|--------|-------|--------------------|----------------------------|
| 1  | Moisture Content | %    | 6.81   | 6.89  | -                  | SNI 01-2891-1992 butir 5.1 |

Bogor, January 08, 2025  
PT. Saraswanti Indo Genetech



Dwi Yulianto Laksono, S.Si  
General Laboratory Manager



SIG Laboratory (1st Location)  
Graha SIG Jl. Rasamala No. 20 Taman  
Yasmin Bogor 16113  
Phone. +62 251 7532 348

SIG Laboratory (3rd Location)  
Jl. Raya Cifor RT 03 RW 08  
Bubulak Bogor

SIG Laboratory (2nd Location)  
Jl. Semeru B Ruko No.21  
Menteng Bogor

SIG Laboratory (4th Location)  
Jl. Kanfer Raya Blok R No. 4 Pedalangan, Kec.  
Banyumanik, Semarang, Jawa Tengah 50268

Result Of Analysis | Page 2 of 2

The results of these tests relate only to the sample(s) submitted.  
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## 2. Hasil Lab Kadar Air MT2



28.1/F-PP Revisi 5

| No | Parameter | Unit | Simplo | Duplo | Limit Of Detection | Method                     |
|----|-----------|------|--------|-------|--------------------|----------------------------|
| 1  | Kadar Air | %    | 4.77   | 4.80  | -                  | SNI 01-2891-1992 butir 5.1 |

Bogor, 08 Januari 2025  
PT. Saraswanti Indo Genetech



Dwi Yulianto Laksono, S.Si  
General Laboratory Manager



SIG Laboratory (1st Location)  
Graha SIG Jl. Rasamala No. 20 Taman  
Yasmin Bogor 16113  
Phone: +62 251 7532 348

SIG Laboratory (3rd Location)  
Jl. Raya Cifor RT 03 RW 08  
Bubulak Bogor

SIG Laboratory (2nd Location)  
Jl. Semeru 8 Ruko No.21  
Menteng Bogor

SIG Laboratory (4th Location)  
Jl. Kanfer Raya Blok R No. 4 Pedalangan, Kec.  
Banyumanik, Semarang, Jawa Tengah 50268

Result Of Analysis | Page 2 of 2

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## Lampiran 5. Berkas EC (Etik Penelitian)



**Kementerian Kesehatan**  
**Poltekkes Medan**

Komisi Etik Penelitian Kesehatan

Jalan Jamin Ginting KM. 13,5  
Medan, Sumatera Utara 20137

(061) 8368633

<https://poltekkes-medan.ac.id>

**KETERANGAN LAYAK ETIK / DESCRIPTION OF ETHICAL APPROVAL**  
**"ETHICAL APPROVAL"**

No: 01.26 895 /KEPK/POLTEKKES KEMENKES MEDAN 2025

Protokol Penelitian yang diusulkan oleh :  
*The Research Protocol Proposed By*

Peneliti Utama : CATHARINE ANGELY  
*Principil In Investigator*

Nama Institusi : Prodi D-IV Gizi Poltekkes Kemenkes Medan  
*Name of the Institution*

Dengan Judul :  
*Title*

**"PENGARUH TEKNIK PENGOLAHAN MINUMAN HERBAL TINUKTUK  
MENGUNAKAN BLENDER DAN TUMBUK TERHADAP DAYA TERIMA,  
KADAR ABU DAN KADAR AIR"**

Dinyatakan layak etik sesuai 7 (tujuh) Standar WHO 2011, Yaitu 1)Nilai Sosial, 2)Nilai ilmiah, 3) Pemerataan Beban dan Manfaat, 4)Risiko, 5)Bujukan/Eksploitasi, 6)Kerahasiaan dan Privacy, dan 7) Persetujuan Setelah Penjelasan, yang merujuk pada pedoman CIOMS 2016. Hal ini seperti yang ditunjukkan oleh terpenuhinya indikator.

*Declared to be ethically appropriate in accordance to 7 (seven) WHO 2011 Standards, 1) Social Values , 2)Scientific Values , 3)Equitable Assessment and Benefits, 4)Risks, 5)Persuasion/Exploitation, 6) Confidentiality and Privacy, and 7)Informed Consent, referring to the 2016 CIOMS guidelines. This is as indicated by the fulfillment of the indicators of each standard*

Pernyataan Layak Etik ini berlaku selama kurun waktu 21 Januari 2025 sampai 21 Januari 2026

*This declaration of ethics applies during the period 21 January 2025 until 21 January 2026*

Medan, 21 January 2025

Ketua /chairperson



Dr. Lestari Rahmah, MKT.  
NIP.197106222002122003

## Lampiran 6. Inform Consent

### **SURAT PERNYATAAN MENJADI PANELIS (INFORMED CONSENT)**

Saya yang bertanda tangan dibawah ini :

Nama :

Umur :

Kelas :

Alamat :

Telp/Hp :

Dengan sukarela dan tanpa paksaan menyatakan bersedia ikut berpartisipasi menjadi panelis penelitian “Pengaruh Teknik Pengolahan Minuman Herbal Tinuktuk Menggunakan Blender Dan Tumbuk Terhadap Daya Terima, Kadar Abu, Dan Kadar Air” yang akan dilakukan oleh Catharine Angely dari Program Studi Sarjana Terapan Gizi dan Dietetika Jurusan Gizi Politeknik Kemenkes Medan.

Lubuk Pakam, 16 Desember 2024

Mengetahui

Peneliti

Panelis

( Catharine Angely )

( )

## Lampiran 7. Formulir Uji Organoleptik

### FORMULIR UJI DAYA TERIMA

- Nama Panelis :
- Tanggal Pengujian :
- Instruksi : Berilah penilaian anda terhadap warna, aroma, rasa, dan after taste pada minuman herbal tinuktuk dengan variasi berbeda pada setiap kode berdasarkan tingkat kesukaan yang anda anggap paling cocok. Pada setiap panelis yang akan mencicipi, minum air putih terlebih dahulu. Nyatakan penilaian anda dengan skala sebagai berikut :
- a. Amat sangat suka : 5
  - b. Sangat suka 4
  - c. Suka 3
  - d. Kurang Suka 2
  - e. Tidak suka 1

| No. | Kode Bahan | Komponen Yang Dinilai |      |       |
|-----|------------|-----------------------|------|-------|
|     |            | Warna                 | Rasa | Aroma |
| 1   | 0,024      |                       |      |       |
| 2   | 0,240      |                       |      |       |
| 3   | 0,249      |                       |      |       |
| 4   | 0,519      |                       |      |       |

## Lampiran 8. Formulir Aftertaste

### Formulir Penilaian Sensorik: After Taste

Nama panelis :

Tanggal pengujian :

Instruksi : Berilah penilaian anda terhadap after taste minuman herbal tinuktuk dengan variasi berbeda pada setiap kode berdasarkan tingkat kesukaan yang anda anggap paling cocok. Pada setiap panelis yang akan mencicipi, minum air putih terlebih dahulu. Nyatakan penilaian anda dengan skala sebagai berikut :

| Intensitas skala:   | Durasi:              | Kesan keseluruhan: |
|---------------------|----------------------|--------------------|
| a. Sangat Lemah : 1 | a. Sangat Singkat :1 | a. Pahit 1         |
| b. Lemah 2          | b. Singkat 2         | b. Getir 2         |
| c. Sedang 3         | c. Sedang 3          | c. Netral 3        |
| d. Kuat 4           | d. Lama 4            | d. Segar 4         |
| e. Sangat Kuat 5    | e. Sangat lama 5     | e. Sangat segar 5  |

| No | Kode sampel | Intensitas 1-5 | Durasi 1-5 | Kesan keseluruhan |
|----|-------------|----------------|------------|-------------------|
| 1  | 0,024       |                |            |                   |
| 2  | 0,240       |                |            |                   |
| 3  | 0,249       |                |            |                   |
| 4  | 0,519       |                |            |                   |

## Lampiran 9. Dokumentasi Pembuatan Minuman Herbal Tinuktuk

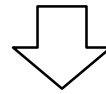
### Dokumentasi pembuatan tinuktuk



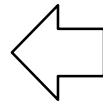
Persiapan bahan



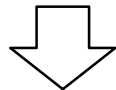
Pencucian bahan dan dianginkan satu malam



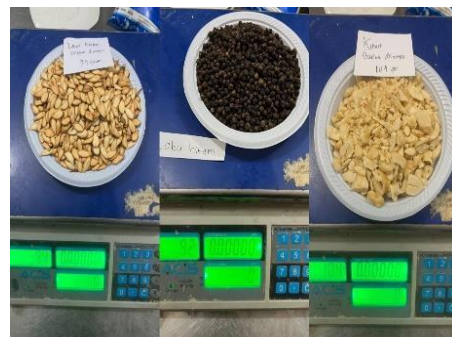
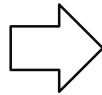
Bahan MT1



Bahan setelah diangin-anginkan ditimbang



Bahan MT 2



Biji labu kering, lada hitam, dan kemiri setelah disangrai

Pengolahan dengan cara di tumbuk



Pengolahan dengan cara di blender



↓ Menghasilkan

Tinuktuk basah

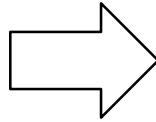


Lalu, tinuktuk basah dikeringkan menggunakan cabinet dryer dengan suhu 50°C selama 7jam



↓ Menghasilkan

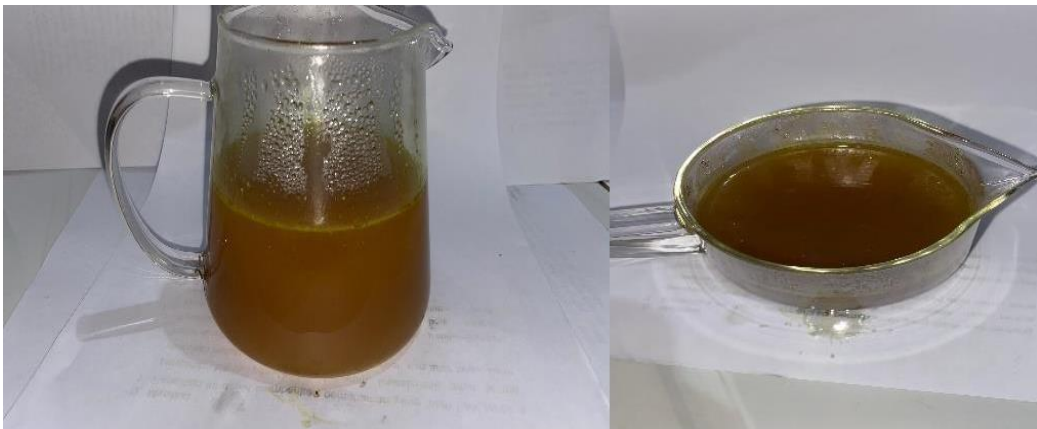
Tinuktuk kering



Tinuktuk dipindahkan ke botol hitam agar terhindar dari paparan sinar matahari

### Proses Penyeduhan Minuman Herbal Tinuktuk

Minuman herbal tinuktuk diseduh menggunakan teko dengan bahan sebanyak 10 gr tinuktuk kering dan air 100 ml dengan suhu air 80°C-90°C dengan waktu seduh selama 10 menit



## Lampiran 10. Dokumentasi Uji Organoleptik



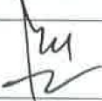
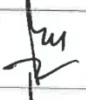
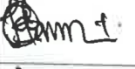
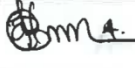
**Lampiran 11. Bukti Bimbingan Skripsi**

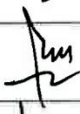
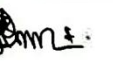
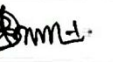
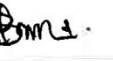
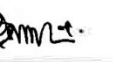
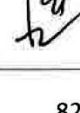
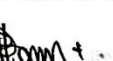
Nama : Catharine Angely

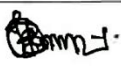
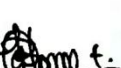
Nomo Induk Mahasiswa : P01031221010

Judul : Pengaruh teknik pengolahan minuman herbal  
tinuktuk menggunakan blender dan tumbuk  
Terhadap daya terima, kadar abu, kadar air

Dosen Pembimbing : Novriani Tarigan, DCN, M.Kes

| No. | Tanggal       | Topik pembimbing                                                              | Tanda tangan mahasiswa                                                               | Tanda tangan dosen pembimbing                                                         |
|-----|---------------|-------------------------------------------------------------------------------|--------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 1   | 28 Maret 2024 | Membaca buku, pedoman skripsi, membaca artikel, belajar mendeley              |   |   |
| 2   | 3 April 2024  | Mencari dan diskusi topik                                                     |  |  |
| 3   | 18 April 2024 | Mencari jurnal tentang tinuktuk, minuman herbal dan pengolahan minuman herbal |  |  |
| 4   | 25 April 2024 | Mendiskusikan Bab I dan Bab II                                                |  |  |
| 5   | 2 Mei 2024    | Revisi Bab I                                                                  |  |  |
| 6   | 11 Mei 2024   | Menunjukan hasil tinuktuk                                                     |  |  |
| 7   | 16 Mei 2024   | Revisi Bab II                                                                 |  |  |
| 8   | 25 Mei 2024   | Mendiskusikan Bab III                                                         |  |  |
| 9   | 13 Juni 2024  | Revisi Bab III                                                                |  |  |

|    |                 |                                                   |                                                                                       |                                                                                       |
|----|-----------------|---------------------------------------------------|---------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------|
| 10 | 24 Juni 2024    | Perbaikan proposal                                |    |    |
| 11 | 27 Juni 2024    | Pengesahan dan pengajuan proposal                 |    |    |
| 12 | 1 Juli 2024     | Seminar proposal                                  |    |    |
| 13 | 4 Juli 2024     | Revisi proposal oleh dosen pembimbing             |    |    |
| 14 | 24 Juli 2024    | Tanda tangan dosen pembimbing                     |    |    |
| 15 | 06 Agustus 2024 | Revisi dosen penguji 1                            |    |    |
| 16 | 07 Agustus 2024 | Revisi dosen penguji 2                            |    |   |
| 17 | 07 Agustus 2024 | Tanda tangan dosen penguji 1 & penguji 2          |   |  |
| 18 | 09 Agustus 2024 | Pengumpulan proposal skripsi kepada kemahasiswaan |  |  |
| 19 | 22 Januari 2025 | Bimbingan I skripsi                               |  |  |
| 20 | 24 Maret 2025   | Bimbingan II skripsi                              |  |  |
| 21 | 08 April 2025   | Bimbingan III skripsi                             |  |  |
| 22 | 11 April 2025   | Bimbingan IV skripsi                              |  |  |
| 23 | 21 April 2025   | Seminar hasil                                     |  |  |
| 24 | 23 April 2025   | Revisi skripsi dengan pembimbing                  |  |  |
| 25 | 06 Mei 2025     | Revisi skripsi dengan pembimbing                  |  |  |

|    |              |                                                                         |                                                                                     |                                                                                     |
|----|--------------|-------------------------------------------------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|
| 26 | 15 Mei 2025  | Revisi penguji I                                                        |  |  |
| 27 | 19 Mei 2025  | Revisi penguji II                                                       |  |  |
| 28 | 5 Juni 2025  | Pembuatan Abstrak                                                       |  |  |
| 29 | 16 Juni 2025 | Pengurusan Abstrak ke direktorat                                        |  |  |
| 30 | 18 Juni 2025 | Membuat data riwayat hidup dan surat pernyataan                         |  |  |
| 31 | 19 Juni 2025 | Memeriksa keseluruhan skripsi sebelum jilid lux dengan dosen pembimbing |  |  |

## **Lampiran 12. Surat Pernyataan**

Saya yang bertanda tangan dibawah ini:

Nama : Catharine Angely

NIM : P01031221010

Menyatakan bahwa data penelitian yang terdapat di SKRIPSI saya adalah benar saya ambil dan jika tidak saya bersedia mengikuti ujian ulang (ujian utama saya batalkan).

Lubuk Pakam, April 2025

Yang Membuat Pernyataan



(Catharine Angely)

### Lampiran 13. Daftar Riwayat Hidup

#### DAFTAR RIWAYAT HIDUP

|                      |                                                                                                                                                                                                                                                                                                                                                                           |
|----------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Nama Lengkap         | : Catharine Angely                                                                                                                                                                                                                                                                                                                                                        |
| Tempat/Tanggal Lahir | : Lubuk Pakam, 13 Mei 2003                                                                                                                                                                                                                                                                                                                                                |
| Nama Orang Tua       |                                                                                                                                                                                                                                                                                                                                                                           |
| Ayah                 | : Krismis Saragih, SE                                                                                                                                                                                                                                                                                                                                                     |
| Ibu                  | : Idawaty br. Siahaan                                                                                                                                                                                                                                                                                                                                                     |
| Alamat               | : Jln. Sahata 1 No 8                                                                                                                                                                                                                                                                                                                                                      |
| No. Hp               | : 085266496577                                                                                                                                                                                                                                                                                                                                                            |
| Riwayat Pendidikan   | : 1. Taman Kanak-Kanak Negeri<br>“PEMBINA” Lubuk Pakam (Tahun<br>2008-2009)<br>2. SD Perguruan Kristen<br>Methodist Indonesia Lubuk Pakam<br>(Tahun 2009-2015)<br>3. SMP Perguruan Kristen<br>Methodist Indonesia Lubuk Pakam<br>(Tahun 2015-2018)<br>4. SMA Negeri 1 Lubuk Pakam<br>(Tahun 2018-2021)<br>5. Politeknik Kesehatan<br>Kemenkes Medan (Tahun 2021-<br>2025) |
| Hobby                | : Berenang                                                                                                                                                                                                                                                                                                                                                                |
| Motto                | : Beranilah bermimpi setinggi langit<br>dan bertarung meraihnya! Jangan<br>jadi pengecut yang mundur<br>sebelum bertindak – Karena<br>kesuksesan hanya milik mereka<br>yang berani berjuang (Angel<br>Pieters – Doa Yabes)                                                                                                                                                |