

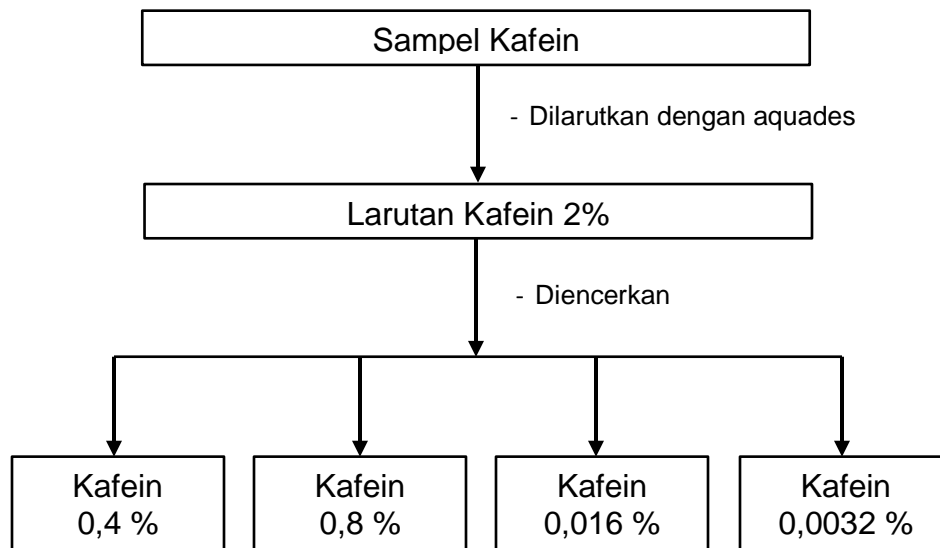
## DAFTAR PUSTAKA

- Abebe Belay. 2011. Some biochemical compounds in coffee beans and methods developed for their analysis. *International Journal of the Physical Sciences*, 6(28). doi:10.5897/ijps11.486.
- Abreu, R.V., Silva-Oliveira, E.M., Moraes, M.F.D., Pereira, G.S., and Moraes-Santoso, T. 2011. Chronic coffee and caffeine ingestion effects on the cognitive function and antioxidant system of rat brains. *Pharmacology Biochemistry and Behavior*, 99(4), pp. 659–664. doi:10.1016/j.pbb.2011.06.010.
- Aguilar, T.A.F., Navarro, B.C.H. and Pérez, J.A.M. 2016. Endogenous Antioxidants: A Review of their Role in Oxidative Stress. *A Master Regulator of Oxidative Stress - The Transcription Factor Nrf2* [Preprint], (December 2016). doi:10.5772/65715.
- Arulselvan, P., Fard, M.T., Tan, W.S., Gothai, S., Fakurazi, S., Norhaizan, M.E., & Kumar, S. 2016. Role of Antioxidants and Natural Products in Inflammation, *Oxidative Medicine and Cellular Longevity*, 2016.
- Buchon, N., Silverman, N. and Cherry, S. 2014. Immunity in *Drosophila melanogaster*-from microbial recognition to whole-organism physiology. *Nature Reviews Immunology*, 14(12), pp. 796–810. doi:10.1038/nri3763.
- Carelli-Alinovi, C., Ficarra, S., Russo, A.M., Giunta, E., Barecca, D., Galtieri, A., Misiti, F., and Tellone, E. 2016. Involvement of acetylcholinesterase and protein kinase C in the protective effect of caffeine against  $\beta$ -amyloid-induced alterations in red blood cells', *Biochimie*, 121, pp. 52–59. doi: 10.1016/j.biochi.2015.11.022.
- Ciccarelli, F., Martinis, M. De and Ginaldi, L. 2014. An Update on Autoinflammatory Diseases. pp. 261–269.
- Danilov, A., Shaposhnikov, M. and Shevchenko, O. 2015. Influence of non-steroidal anti-inflammatory *Drosophila melanogaster* longevity drugs on', 6(23).
- Diaz de Barboza, G., Guizzardi, S., Moine, L. and Tolosa de Talamoni, N. 2017. Oxidative stress, antioxidants and intestinal calcium absorption. *World Journal of Gastroenterology*, 23(16), p.2841.
- Flybase. 2022. *Flybase Gene Report: Dmel/DptA*. [online] Available at: <<https://flybase.org/reports/FBgn0004240>> [Accessed 6 June 2022].

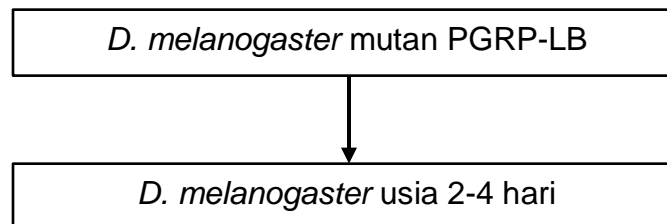
- Haar N, Annink K, Gattorno M, Lachmann H, Kuemmerle-Deschner J, Ozen S et al. 2016. Development of the autoinflammatory disease damage index (ADDI). *Pediatric Rheumatology*. 2015;13(S1). doi: 10.1186/1546-0096-13-s1-p29
- He, L., He, T., Farrar, S., Ji, L., Liu, T., and Ma, X. 2017. Antioxidants Maintain Cellular Redox Homeostasis by Elimination of Reactive Oxygen Species', *Cellular Physiology and Biochemistry*, 44(2), pp. 532–553. doi: 10.1159/000485089.
- Hosny, E.N. et al. 2019. Evaluation of antioxidant and anti-inflammatory efficacy of caffeine in rat model of neurotoxicity. *Nutritional Neuroscience*, 22(11), pp. 789–796. doi:10.1080/1028415X.2018.1446812.
- Iatsenko, I., Kondo, S., Mengin-Lecreulx, D., Lemaitre, B. 2016. PGRP-SD, an Extracellular Pattern-Recognition Receptor, Enhances Peptidoglycan-Mediated Activation of the Drosophila Imd Pathway. *Immunity* 45, 1013–1023.
- Ighodaro, O.M. and Akinloye, O.A. 2018. First line defence antioxidants-superoxide dismutase ( SOD ), catalase ( CAT ) and glutathione peroxidase ( GPX ): Their fundamental role in the entire antioxidant defence grid. *Alexandria Journal of Medicine*, 54(4), pp. 287–293. doi:10.1016/j.ajme.2017.09.001.
- Ikram, M. Park, T.J., Ali, T., and Kim, M.O. 2020. Antioxidant and neuroprotective effects of caffeine against Alzheimer's and parkinson's disease: Insight into the role of Nrf-2 and A2AR signaling. *Antioxidants*, 9(9), pp. 1–21. doi:10.3390/antiox9090902.
- Irazabal, M. V and Torres, V. E. 2020. Reactive Oxygen Species and Redox Signaling in Chronic Kidney Disease'. doi: 10.3390/cells9061342.
- Kany, S., Vollrath, J. T., & Relja, B. 2019. Cytokines in inflammatory disease, *International Journal of Molecular Sciences*, 20(23), pp. 1–31.
- Kastner, D. L., Aksentijevich, I., & Goldbach-Mansky, R. 2010. Autoinflammatory Disease Reloaded: A Clinical Perspective, *Cell*, 140(6), pp. 784–790.
- Khansari, N., Shakiba, Y., & Mahmoudi, M. 2009. Chronic Inflammation and Oxidative Stress as a Major Cause of Age- Related Diseases and Cancer, *Recent Patents on Inflammation & Allergy Drug Discovery*, 3(1), pp. 73–80.

## LAMPIRAN

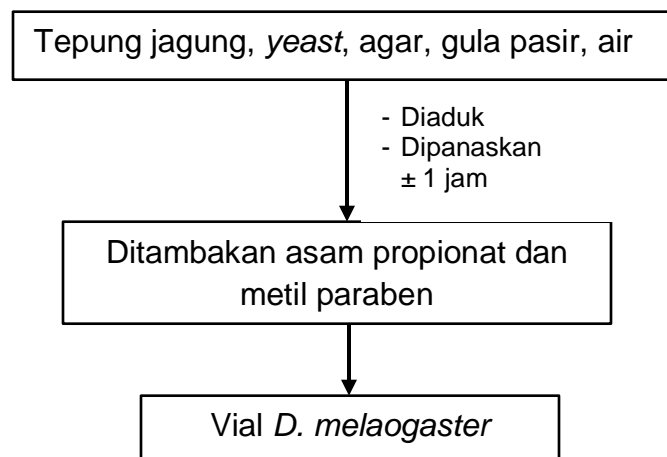
### Lampiran 1. Preparasi Sampel



### Lampiran 2. Penyiapan Hewan Uji



### Lampiran 3. Pembuatan Pakan



## Lampiran 6. Gambar Penelitian



**Gambar 12. Pembuatan Pakan**



**Gambar 13. Pemisahan Lalat Jantan**



**Gambar 14. Melarutkan Sampel Kafein**



**Gambar 15. Isolasi RNA**



**Gambar 16. Running Real Time PCR**