

DAFTAR PUSTAKA

1. Sayuti, K.; Rina Yenrina: *Antioksidan Alami dan Sintetik*; Andalas Univesity Press: Padang, 2015.
2. Ismail, A.; Zamliah, M.M.; Chin, W.F.: Total antioxidant activity and phenolic content in selected vegetable. *Food Chemistry* 2004, 87, 581-586.
3. Sindhi, V.; Gupta, V.; Sharma, K.; Bhatnagar, S.; Kumari, R.; Dhaka, N.: Potential application of antioxidant: A Riview. *Journal of Pharmacy Research* 2013, 7, 828-835.
4. Chen, Z.; Riccardo, B.; Guglielmina, F.: EC50 estimation of antioxidant activity in DPPH assay using several statistical programs. *Food Chemistry* 2013, 138, 414-420.
5. Szydlowska-Czerniak, A.; Csilla, D.; Katalin, R.; Gyorgy, K.; Edward, S.: Determination of antioxidant capacities of vegetable oils by ferric-ion spectrophotometric methods. *Talanta* 2008, 76, 899-905.
6. Gabriela do santo, M.; Cecilia,V. N.; Horacio, D. M.: A new method for quantification of total polyphenol content in medicinal plants based on the reduction of Fe(III)/1,10-phenanthroline complexes. *Advances in Biological Chemistry* 2013, 3, 525-535.
7. Oi-Wah, L.; Shiu-Fai, L.; Hsiao-Lan, H.: Spectrophotometric determination of tannins in tea and beer samples with Iron(III) and 1,10-Phenanthroline as reagents. *Analyst* 1989, 114.
8. Katsumata, H.; Tomomi, S.; Norio, T.; Makoto, K.; Takuji, K.: A new flow-injection determination of glucose based on the redox reaction of hydroquinone with Iron(III) in the presence of 1,10-phenanthroline. *Talanta* 2000, 51, 1197-1204.
9. Yefrida; Mega U.; Umiati, L.: Validasi metoda penentuan antioksidan total (dihitung sebagai asam sitrat) dalam sampel jeruk secara Spektofotometri dengan menggunakan oksidator FeCl₃; *Jurnal Riset Kimia* 2014, 7.
10. Yefrida; Nor, A.; Refilda: Validasi metoda frap modifikasi pada penentuan kandungan antioksidan total dalam sampel mangga dan rambutan; *Jurnal Riset Kimia* 2015, 8.
11. Illahi, F: Perbandingan DPPH dan Fenantrolin valid dalam penentuan kandungan antioksidan dalam bayam (*Amaranthus hybridus L.*), kangkung (*Ipomoea reptans*), katuk (*Sauvages adrogynus L*), dan mangkokan (*Poliscias scutellaria*). *Skripsi*. Jurusan Kimia, FMIPA, UNAND 2016.

12. Carmona-Jimenez, Y.; Garcia-Moreno, M. V.; Jose, M. I.; Carmelo, G. B.: Simplification of the DPPH assay for estimating the antioxidant activity of wine and wine by-products. *Food Chemistry* 2014, 165, 198-204.
13. Bondet, V.; Brand-William, W.; Bresset, C: Kinetics and mechanisms of antioxidant activity using the DPPH free radical method. *Food Sci. And Technol* 1997, 30, 609-615.
14. Fidrianny, I.; Dyah, A. P.; Komar, R.: Antioxidant capacities of various grains extracts of three kinds of rice grown in central Java-Indonesia. *International Journal of Pharmacognosy and Phytochemical Research* 2016, 8(6), 997-1002.
15. Ahmad, S.; Muhammad A. A.; Shakeel I.; Umair K.; Faisal R.; Rizwan A: Review on methods used to determine antioxidant activity. *International Journal of Multidisciplinary Research and Development* 2014, 1(1).
16. Buyuktuncel, E.; Esra, P.; Cemil C.: Comparison of total phenolic content and total antioxidant activity in local red wines determined by spectrophotometric methods. *Food and Nutrition Sciences* 2014, 5, 1660-1667.
17. Pedan, V.; Norbert, F; Sascha, R.: An online NP-HPLC-DPPH method for the determination of the antioxidant activity of condensed polyphenols in cocoa. *Food Research International* 2016, 89, 890-900.
18. Lazig, D.; Branko, S.; Jelena; Penavin-Skundric,; Slavica, S.; Ljubica, V.; Zoran, O.; Stability of tris-1,10-phenanthroline iron (ii) complex in different composites. *Chemical Industry & Chemical Engineering Quarterly* 2010, 16(2), 193-198.
19. Andam Dewi, M.; Julia, R; Ratih, W. P.: Determination of total tannin of white and red rind pomegranate (*Punica granatum L.*) by colorimetry method using reagent 1, 10-phenanthroline. *Procedia Chemistry*. International Seminar on Natural Product Medicine, ISNPM 2012.
20. Oktavia, B; Lee Wah, L.; Toyohide, T.: Simultaneous determination of Fe(III) and Fe(II) ions via complexation with salicylic acid and 1,10- phenanthroline in microcolumn ion chromatography. *Analytical Sciences* 2008, 24.
21. Elmagirbi, A.; Hermin S.; Atikah: Study of ascorbic acid as Iron(III) reducing agent for spectrophotometric iron speciation; *J. Pure App. Chem. Res.*; 2012, 1 (1), 11-17.
22. Nahak, G.; Rajani K. S.: Free radical scavenging activity of multi-vitamin plant (*Sauvopas androgynous L. Merr*). *Researcher*, 2010, 2(11).

23. Podsedek, A. Natural antioxidants and antioxidant capacity of Brassica vegetables: a review. *LWT* 2005, 40, 1-11.
24. A'yun, Q.; Ainun, N. M.; Analisis fitokimia daun pepaya (Carica pepaya L.) di balai penelitian tanaman aneka kacang dan umbi, Kendalpayak, Malang. *Seminar Nasional Konservasi dan Pemanfaatan Sumber Daya Alam* 2015.
25. Kusuma Dewi, L.: Kadar total senyawa fenolik flavonoid, dan aktivitas antioksidan air dan ekstrak metanol daun singkong (*Manihot esculenta Crantz*). *Skripsi*. Biokimia, FMIPA, IPB Bandung 2014.
26. Anderson, Robert L.: *Practical Statistics for Analytical Chemists*. Van Nostrand Reinhold Company Inc: USA, 1987, 118-120.
27. Shrivastava, Gupta: Methods for LOD and LOQ determination of the analytical methods: Review. *Chronicles of Young Scientists* 2011, 2(1).
28. Mandarini, N. M.: Analisis kapasitas antioksidan dan kandungan total fenol pada sayuran. *Skripsi*, Departemen Gizi Masyarakat, Fakultas Ekologi Manusia, IPB Bogor 2014.
29. Sofia, Z.; Mohammed, C.; Ahmed, J: Effect of polar and nonpolar solvent on total phenolic and antioxidant activity of roots extracts of *Caralluma europaea*. *Der Pharma Chemica* 2016, 8(11), 191-196.
30. Cikita, I.; Ika, H. H.; Rosdenelli, H.: Pemanfaatan flavonoid ekstrak daun katuk (*Sauvages androgynus L. merr*) sebagai antioksidan pada minyak kelapa. *Jurnal Teknik Kimia USU* 2016, 5(1).

Sun, T.; Joseph, R.P.; Juming, T.: Evaluation of the antioxidant activity of asparagus, broccoli and their juices. *Food Chemistry* 2007, 105, 101–106.