

## **DAFTAR PUSTAKA**

1. Rosenfeld LS, Mihalov JJ, Carlson SJ, Mattia A. Regulatory status of caffeine in the United States. *Nutr Rev.* 2014;72(S1):23–33.
2. Chen X, Liu Y, Jaenicke EC, Rabinowitz AN. New concerns on caffeine consumption and the impact of potential regulations: The case of energy drinks. *Food Policy [Internet].* 2019;87(July):101746. Available from: <https://doi.org/10.1016/j.foodpol.2019.101746>
3. Revelle W, Condon DM, Wilt J. Caffeine. In: Encyclopedia of Human Behavior: Second Edition. 2012. p. 423–9.
4. O'callaghan F, Muurlink O, Reid N. Effects of caffeine on sleep quality and daytime functioning. *Risk Manag Healthc Policy.* 2018;11:263–71.
5. Arwangga AF, Asih IARA, Sudiarta IW. Analisis Kandungan Kafein pada Kopi di Desa Sesao Narmada Menggunakan Spektrofotometri UV-Vis. *J Kim.* 2016;10(1):110–4.
6. Departemen Kesehatan Republik Indonesia. Farmakope Indonesia. Edisi IV. Jakarta: Kementerian Kesehatan Republik Indonesia; 1995.
7. Mitchell DC, Knight CA, Hockenberry J, Teplansky R, Hartman TJ. Beverage caffeine intakes in the U.S. *Food Chem Toxicol [Internet].* 2014;63:136–42. Available from: <http://dx.doi.org/10.1016/j.fct.2013.10.042>
8. Heckman MA, Sherry K, de Mejia EG. Energy drinks: An assessment of their market size, consumer demographics, ingredient profile, functionality, and regulations in the United States. *Compr Rev Food Sci Food Saf.* 2010;9(3):303–17.
9. Liveina, A AIG. Pola Konsumsi dan Efek Samping Minuman Mengandung Kafein pada Mahasiswa Program Studi Pendidikan Dokter Fakultas Kedokteran Universitas Udayana. *Fak Kedokt Univ Udayana.* 2011;1–12.
10. Ahluwalia N, Herrick K. Caffeine intake from food and beverage sources and trends among children and adolescents in the United States: Review of national quantitative studies from 1999 to 2011. *Adv Nutr.* 2015;6(1):102–11.
11. Temple JL, Bernard C, Lipshultz SE, Czachor JD, Westphal JA, Mestre MA. The Safety of Ingested Caffeine: A Comprehensive Review. *Front Psychiatry.* 2017;8(May):1–19.
12. Nonthakaew A, Matan N, Aewsiri T, Matan N. Caffeine in foods and its

- antimicrobial activity. *Int Food Res J.* 2015;22(1):9–14.
13. Misra H, Mehta D, Mehta BK, Soni M, Jain DC. Study of extraction and HPTLC - UV method for estimation of caffeine in marketed tea ( *Camellia sinensis* ) granules. *Int J Green Pharm.* 2009;3(1):47–51.
  14. Erdiansyah NP, Yusianto. Hubungan intensitas cahaya di kebun dengan profil cita rasa dan kadar kafein beberapa klon kopi Robusta Relationship between caffeine content and flavor with light intensity of several coffee Robusta clones. *Pelita Perkeb.* 2012;28(90):14–22.
  15. Stefanello N, Spanevello RM, Passamonti S, Porciúncula L, Bonan CD, Olabiyi AA, et al. Coffee, caffeine, chlorogenic acid, and the purinergic system. *Food Chem Toxicol* [Internet]. 2019;123:298–313. Available from: <https://doi.org/10.1016/j.fct.2018.10.005>
  16. Moffat AC. Clarke's Analysis of Drugs and Poisons. Pharmaceutical Press; 2011. 1055 p.
  17. Arnaud MJ. The pharmacology of caffeine. Basel: Progres Drug in Research; 1987. 296–300 p.
  18. Nehlig A. Is Caffeine a Cognitive Enhancer? *J Alzheimer's Disease.* 2010;20:S85–94.
  19. Chawla J, Suleman A. Neurologic effects of caffeine. 2011; Available from: <http://emedicine.medscape.com/article/1182710-overview#showall%0A>
  20. Dixit A, Vaney N, Tandon OP. Evaluation of cognitive brain functions in caffeine users: A P3 evoked potential study. *Indian J Physiol Pharmacol.* 2006;50(2):175–80.
  21. Temple JL, Dewey AM, Briatico LN. Effects of Acute Caffeine Administration on Adolescents. *Exp Clin Psychopharmacol.* 2010;18(6):510–20.
  22. Horrigan LA, Kelly JP, Connor TJ. Immunomodulatory effects of caffeine: Friend or foe? *Pharmacol Ther.* 2006;111(3):877–92.
  23. Higdon J V., Frei B. Coffee and health: A review of recent human research. *Crit Rev Food Sci Nutr.* 2006;46(2):101–23.
  24. National Cancer Institute. Caffeine [Internet]. USA: NCI The Saurus; 2020. Available from: [https://ncit.nci.nih.gov/ncitbrowser/ConceptReport.jsp?dictionary=NCI\\_Thesaurus&ns=NCI\\_Thesaurus&code=C328](https://ncit.nci.nih.gov/ncitbrowser/ConceptReport.jsp?dictionary=NCI_Thesaurus&ns=NCI_Thesaurus&code=C328)

25. Lee KH, Human GP, Fourie JJ, Louw WAN, Larson CO, Joubert G. Medical students' use of caffeine for "academic purposes" and their knowledge of its benefits, side-effects and withdrawal symptoms. *South African Fam Pract.* 2009;51(4):322–7.
26. Preedy VR. Caffeine : Chemistry, Analysis, Function and Effects. 2012. 4 p.
27. James JE. Critical Review of Dietary Caffeine and Blood Pressure: A Relationship That Should Be Taken More Seriously. *Psychosom Med.* 2004;66(1):63–71.
28. Lamarine RJ. Selected health and behavioral effects related to the use of caffeine. *J Community Health.* 1994;19(6):449–66.
29. Wulandari L. Kromatografi Lapis Tipis. PT. Taman Kampus Presindo, Jember. Jember: Taman Kampus Presindo; 2011.
30. Stahl E. Analisa Obat Secara Kromatografi dan Mikroskopi. Bandung: Penerbit ITB; 1985.
31. Departemen Kesehatan Republik Indonesia. Farmakope Indonesia. Edisi V. Jakarta: Kementrian Kesehatan republik Indoenesia; 2014.
32. Gandjar IG, Rohman A. Analisis Obat Secara Spektrofotometri dan Kromatografi. Indonesia: Pustaka Pelajar; 2012.
33. Sherma J. Handbook of thin-layer chromatography. Third Edit. New York: Marcel Dekker INC.; 2013.
34. Rohman A. Kromatografi untuk Analisa Obat. Yogyakarta: Graha Ilmu; 2009.
35. Anastasia Y. Teknik Analisis Residu Golongan Tetrasiklin Dalam Daging Ayam Secara Kromatografi Cair Kinerja Tinggi. 2011;16(2):68–73.
36. Jesus L-S, Isabel B-L, Agnes AS-K, Antonio S-C. Chromatographic Technique : High-Performance Liquid Chromatography ( HPLC ). 2018. 459–526 p.
37. S.Suzanne N. Food Analysis. third edit. West Lafayette, Indiana: Purdue University; 2003.
38. Srdjenovic B, Djordjevic-Milic V, Grujic N, Injac R, Lepojevic Z. Simultaneous HPLC determination of caffeine, theobromine, and theophylline in food, drinks, and herbal products. *J Chromatogr Sci.* 2008;46(2):144–9.
39. Redasani VK, Gorle AP, Badhan RA, Jain PS, Surana SJ. Simultaneous

- determination of chlorpheniramine maleate, phenylephrine hydrochloride, paracetamol and caffeine in pharmaceutical preparation by RP-HPLC. *Chem Ind Chem Eng Q.* 2013;19(1):57–65.
40. Bachute MT, Shanbhag S V. Method Development and Validation by RP-HPLC for Simultaneous estimation of paracetamol , caffeine , phenylephrine and chlorpheniramine in tablet dosage form. *Int J Pharm Technol.* 2017;9(2):29960–70.
  41. Bae IK, Ham HM, Jeong MH, Kim DH, Kim HJ. Simultaneous determination of 15 phenolic compounds and caffeine in teas and mate using RP-HPLC/UV detection: Method development and optimization of extraction process. *Food Chem* [Internet]. 2015;172:469–75. Available from: <http://dx.doi.org/10.1016/j.foodchem.2014.09.050>
  42. Viana C, Zemolin GM, Dal Molin TR, Gobo L, Ribeiro SM, Leal GC, et al. Detection and determination of undeclared synthetic caffeine in weight loss formulations using HPLC-DAD and UHPLC-MS/MS. *J Pharm Anal* [Internet]. 2018;8(6):366–72. Available from: <https://doi.org/10.1016/j.jpha.2017.12.004>
  43. Ali MM, Eisa M, Taha MI, Zakaria BA, Elbashir AA. Determination of caffeine in some Sudanese beverages by High Performance Liquid Chromatography. *Pakistan J Nutr.* 2012;11(4):336–42.
  44. Shishov A, Volodina N, Nechaeva D, Gagarinova S, Bulatov A. An automated homogeneous liquid-liquid microextraction based on deep eutectic solvent for the HPLC-UV determination of caffeine in beverages. *Microchem J* [Internet]. 2019;144:469–73. Available from: <https://doi.org/10.1016/j.microc.2018.10.014>
  45. Pahade AR, Gandhi S V., Tapale SR. Chemometric-assisted UV spectrophotometric and RP-HPLC methods for the simultaneous determination of caffeine and sodium benzoate in synthetic mixture. *Curr Trends Biotechnol Pharm.* 2017;11(3):309–15.
  46. De Luca S, Ciotoli E, Biancolillo A, Bucci R, Magrì AD, Marini F. Simultaneous quantification of caffeine and chlorogenic acid in coffee green beans and varietal classification of the samples by HPLC-DAD coupled with chemometrics. 2018;28748–59.
  47. Chowdhury SR, Maleque M, Shihan MH. Development and validation of RP-HPLC method for determination of glibenclamide in pharmaceutical dosage forms. *Int J ChemTech Res.* 2012;4(2):593–601.
  48. Al-Qaim FF, Jusof SH, Abdullah MP, Mussa ZH, Tahrim NA, Khalik

- WMAWM, et al. Determination of caffeine in surface water using solid phase extraction and high performance liquid chromatography. 2017;21(1):95–104.
49. Franeta JT, Agbaba D, Eric S, Pavkov S, Aleksic M, Vladimirov S. HPLC assay of acetylsalicylic acid, paracetamol, caffeine and phenobarbital in tablets. Farmaco. 2002;57(9):709–13.
  50. Rahim AA, Nofrizal S, Saad B. Rapid tea catechins and caffeine determination by HPLC using microwave-assisted extraction and silica monolithic column. Food Chem [Internet]. 2014;147:262–8. Available from: <http://dx.doi.org/10.1016/j.foodchem.2013.09.131>
  51. Asfew Z, Dekebo A. Quantification of caffeine content in coffee bean, pulp and leaves from Wollega Zones of Ethiopia by high performance liquid chromatography. Trends Phytochem Res. 2019;3(4):261–74.
  52. Riswanto FDO, Endang Lukitaningsih RR, Martono S. Analytical method validation and determination of pyridoxine, nicotinamide, and caffeine in energy drinks using thin layer chromatography-densitometry. Indones J Chem. 2015;15(1):9–15.
  53. Sharma P, Murthy P, Shrivhare P. Validated High-Performance Thin Layer Chromatographic Method for Caffeine Quantification in Beverages and Edibles. Int J Clin Toxicol. 2014;2(1):31–6.
  54. Dinç E, Özdemir A, Aksoy H, Üstündağ Ö, Baleanud D. Chemometric determination of naproxen sodium and pseudoephedrine hydrochloride in tablets by HPLC. Chem Pharm Bull. 2006;54(4):415–21.
  55. Harmita. Petunjuk Pelaksanaan Validasi Metode dan Cara Perhitungannya. Maj Ilmu Kefarmasian. 2004;1(3):117–35.
  56. Ravisankar P, Naga Navya C, Pravallika D, Sri DN. A review on step-by-step analytical method validation. IOSR J Pharm. 2015;5(10):2250–3013.
  57. Arel A, Martinus BA, Nofiandri R. Penetapan Kadar Kofein dalam Minuman Berenergi Yang Beredar Di Pasaran Dengan Metode Kromatografi Cair Kinerja Tinggi. 2002;19–23.