

BAB 5

SIMPULAN

5.1. Simpulan

- Metode KLT-Densitometri dapat digunakan untuk identifikasi keberadaan sildenafil sitrat dalam kopi greng dan minuman herbal penambah stamina.
- Dari tujuh macam kopi greng herbal penambah stamina yang beredar dipasaran. Merek E dan G mengandung sildenafil sitrat.
- Dari empat macam minuman herbal penambah stamina yang beredar dipasaran. Merek J mengandung sildenafil sitrat.

5.2. Saran

Berdasarkan hasil penelitian ini, disarankan untuk mengaplikasikan metode kromatografi lapis tipis untuk identifikasi keberadaan sildenafil sitrat dalam berbagai sediaan kopi greng dan minuman herbal penambah stamina yang beredar dipasaran.

DAFTAR PUSTAKA

Awofisayo, O.S., Awofisayo, O.A., and N. Eyen, 2010, Development of Basic Test for Sildenafil Citrate and Sildenafil Citrate Tablet, **Journal of Clinical Medicine and Research**, 2, 175-179.

Balai POM, 2001, **Petunjuk Operasional Penerapan Cara Pembuatan Obat yang Baik**, Balai POM, Jakarta, 414.

Balai POM, 2010, **Public Warning : Obat Tradisional Mengandung Bahan Kimia Obat**, BPOM, Jakarta, 1.

Balai POM, 2011, **Public Warning : Masyarakat Perlu Mewaspadaai Beredarnya Kopi yang Dicampur Bahan Kimia Obat**, Balai POM, Jakarta, 1.

Bliesner, David M., 2006, **Validating a Chromatography Methods : A Practical Guide**, John Wiley & Sons, Inc., New Jersey, 8-9

Boolell M, Gepi-Attee S, Gingel JC, and Allen MJ., 1996, Sildenafil : A Novel Effective Oral Therapy For Male Erectile Dysfunction, **Br J Urol**, 78, 257.

Ebadi, Manuchair., 2007, **Pharmacodynamic Basis Of Herbal Medicine**, 2nd ed., Taylor & Francis Group, London, 545-552.

Fried, B. and Sherma, J., 1999, **Thin Layer Chromatography**, vol. 81, ed. 4th, Marcel Dekker, Inc., New York, 25-38, 113.

Gandjar, I.G. dan Rohman, A., 2010, **Kimia Farmasi Analisis**, Pustaka Pelajar, Yogyakarta, 353-367.

Keys, John D., 1976, **Chinese Herbs : Their Botany, Chemistry, and Pharmacodynamics**, Charles E. Tuttle Company, Tokyo, 85-86, 205-206.

Lue TF, 1997, A Study of Sildenafil (Viagra), A New Oral Agent For The Treatment of Male Erectile Dysfunction, **J Urol**, 157, 181.

Henwood J., 1999, **Sildenafil for Erectile Dysfunction**, Medical Progress, 9-37.

ICH Harmonized Tripartite Guideline, 1996, **Validation of Analytical Procedures: Text and Methodology Q2 (R1)**, ICH Guideline, Inc., London, 1.

Massoud, M., 2005, Sildenafil Determination in Various Matrices: A Review, **IJPT**, 4, 72-75.

Martindale. 2009, **The Complete Drug Reference**, 36th ed., Pharmaceutical Press, London, 2196-2197.

Miller, J.C., and Miller, J.N., 1988, Statistics for Analytical Chemistry, 2nd ed., John Wiley & Sons, New York, 109-120.

Ritschel, W. A., 1976, **Handbook of Basic Pharmacokinetics**, 1st ed., Hamilton Press Inc, Illinois, 310-316.

Rohman, A., 2009, **Kromatografi untuk Analisis Obat**, Graha Ilmu, Yogyakarta, 45-105.

Setiawan, H.K., Esar, S.Y., dan Sukarti, E., 2011, **Determinasi Sildenafil Sitrat dan Tadalafil Dalam Matriks Jamu dan Aplikasinya Dengan Metode Kromatografi Lapis Tipis-Densitometri**, 15-16.

Skoog, D.A. and Donald, West M., 1980, **Principles of Instrumental Analysis**, Thomson Higher Education, London, 848-851.

Sudjadi, 1998, **Metode Pemisahan**, Kanisius, Yogyakarta, 33-42.

United States Pharmacopeial Convention, 2006, **The United States Pharmacopeia**, 28th ed., United States Pharmacopeial Convention, Inc., Rockville, 1.

Watson, David G., 2005, **Pharmaceutical Analysis**, 2nd ed., Elsevier, Livingstone, 315-331.