

DAFTAR PUSTAKA

- Abraham, J. (2011). *Effect of Mucuna pruriens Seeds on Fertility of Male Albino Rats Rattus norvegicus*. Journal of Pharmacy Research 2011, 4(1),233-236
- Adebawale, Y.A., Adeyemi, I.A., Oshodi, A.A., and Niranjan, K., (2007). *Isolation, fractionation and characterisation of proteins from Mucuna bean*. Food Chemistry 104, 287–299.
- Aditya, D. S. (2006). *Organ Reproduksi Dan Kualitas Sperma Mencit (Mus Musculus) Yang Mendapat Pakan Tambahan Kemangi (Ocimum Basilicum) Segar*. Skripsi. Bogor: Institut Pertanian Bogor. hal. 45-48
- Amin, K.M.Y., Khan, M.N., Zillur-Rehman, S., Khan, N.A., (1996). *Sexual function improving effect of Mucuna pruriens in sexually normal male rats*. Fitoterapia, Milano, v.67, n.1, p.53-56,
- Anonim. (2011). *Mucuna pruriens (Bahasa Indonesia)*. [Online]. Tersedia: http://indonesia.tropicalforages.info/key/Forages/Media/Html/Mucuna_pruriens_%28Bahasa_Indonesia%29.htm [3 Oktober 2011]
- Babu, N. B, Rao, P. S, and Raju, R. R. (2010). *RP-HPLC Method Development and Validation of Levodopa*. International Journal of Research in Pharmaceutical and Biomedical Sciences
- Bahena-Trujillo, R. Flores, G. . Arias-Montaño. (2000). *Dopamina: síntesis, liberación y receptores en el Sistema Nervioso Central*. Rev Biomed 2000; 11:39-60.
- Bressani, R., (2002). *Factors influencing nutritive value in food grain legumes: Mucuna compared to other grain legumes*. Proceedings of the Centro Viensa Pradipta, 2013

Internacional de Informacion sobre Cultivos de Cobertura (CIDICCO), Tegucigalpa, Honduras, p. 164-188.

Charles, W.C., Julian, A.G., *Testosterone rebound therapy, fertility and sterility* volume 29: 1(1978).

Chikagwa-Malunga, S.K.; Adesogan, A.T.; Sollenberger, L.E.; Badinga, L.K.; Szabo, N.J.; Littell, R.C. (2009). *Nutritional characterization of Mucuna pruriens. 1. Effect of maturity on the nutritional quality of botanical fractions and the whole plant. Anim. Feed Sci. Technol.*, New York, v.148, n.1, p.34-50,

Cooper J. R., Bloom F. E., Roth R. H. (1996). *The biochemical basis of neuropharmacology. 7th. Ed.* New York/Oxford, Oxford University Press,:293-351.

De Larminant, N.S., A. Monsalve, E.H. Charreau, R. S. Calandra and J. A. Blaquer. (1978). *Hormonal regulation of 5-alfa-reductase activity in rat epididymis. J. Endocr.* **79**: 157-167.

Dhanasekaran, M., Tharakan, B., Manyam, B. V., (2008). *Antiparkinson drug- Mucuna pruriens shows antioxidant and metal chelating activity. Phytother Res.* 22(1):6-11

Diallo, O.K; Kante, S; Myhrman, R; Soumah, M; Cissé, N. Y; Berhe, T. (2002). *Increasing farmer adoption of Mucuna pruriens as human food and animal feed in the republic of Guinea. In: International Workshop On Food And Feed From Mucuna, Proceedings.* Tegucigalpa, 2000. Tegucigalpa, International Center for Information on Cover Crops (CIDICCO), p.60-72.

Viensa Pradipta, 2013

Duke, J.A., (1981). *Handbook of legumes of world economic importance*. New York, NY: Plenum Press.

Egwurugwu, N., Nwafor, A., Olorunfemi, O. J., Anaduaka S.C. (2012). *Effects of methanoic seed extracts of Mucuna sloanei on male sex hormones and sperm quality in rats*. Journal of Medicinal Plants Research Vol. 6(22), pp. 3919-3922, 14 June, 2012

Eilitta M., Bressani, R., Carew, L.B., Carsky, R.J., Flores, M., Gilbert, R., St-Laurent L., Szabo, N.J., (2002). *Mucuna as a food and feed crop: An overview*. Proceedings of the Centro Internacional de Informacion sobre Cultivos de Cobertura (CIDICCO), Tegucigalpa, Honduras, p. 18-46.

Feldman R. S., Meyer J. S., Quenzer L. F. (1997). *Principles of neuropsychopharmacology*. Sunderland, Sinauer,: 277-344.

Fibiger HC. (1993). *Mesolimbic dopamine: an analysis of its role in motivated behavior*. Semin Neurosci; 5:32127.

Freund T. F., Powell J. F., Smith A. D. (1984). *Tyrosine hydroxylase immunoreactive boutons in synaptic contact with identified striatonigral neurons, with particular reference to dendritic spines*. Neurosci; 13:1189-215.

Gilbert, R.A., (2002). *Mucuna pruriens in Malawi: A promising legume with a troubled history*. Proceedings of the Centro Internacional de Informacion sobre Cultivos de Cobertura (CIDICCO), Tegucigalpa, Honduras, p. 48-59.

- Gupta, R., Bajpai, K.G., Johri, S., Saxena, A., (2007). *An overview of Indian novel traditional medicinal plants with anti-diabetic potentials.* Afr J Tradit Complement Altern Med. 27; 5(1):1-17
- Halliwell, B. & Whiteman, M. (2004). *Measuring reactive species and oxidative damage in vivo and in cell culture: how should you do it and what do the results mean?* Br J Pharmacol, 142, 231-55.
- Harvey, N.S. (1998). *Serial cognitive profiles in levodopa-induced hypersexuality.* Brit. J. Psychiat.; 153, 833-836.
- Hinting, A. 1996. *Perkembangan teknik rekayasa reproduksi. Seminar penanganan Andrologik pada infertilitas dan impotensi.* Poli andrologi RSUD Dr. Soetomo LabBiomedik FK Unair, Surabaya.
- Jackson DM, Westlind-Danielsson A. (1994). *Dopamine receptors: molecular biology, biochemistry and behavioral aspects.* Pharmacol Ther; 64: 291-369.
- Josephine, M. R. and Janardhanan, K., (1992). *Studies on chemical composition and antinutritional factors in three germplasm seed materials of the tribal pulse Mucuna pruriens (L) DC.* Food Chemistry 43, 13-18.
- Kaphale K, Wu L. S, Tsai Y. F. (2003). *Effects of putative neurotransmitters on testosterone production from in vitro mice interstitial cells culture.* J Anim Vet Adava ;2:119–25.
- Kasture, S., Pontis, S., Pinna, A., Schintu, N., Spina, L., Longoni, R., Simola, N., Ballero, M., Morelli, M., (2009). *Assessment of symptomatic and neuroprotective efficacy of Mucuna pruriens seed extract in rodent model of Parkinson's disease.* Neurotox Res. Epub. 15(2):111-22
Vienna Pradipta, 2013

Kay, D.E., (1979). *Hyacinth bean - Food legumes*. Tropical Products Institute Crop and Product Digest No. 3., London 16, p. 184-196.

Krausz, C., Fortie, G., (2000): *Clinical aspects of male infertility*. In: McElreavery K. editor The Genetic Basis of Male Infertility. Springer-Verlag: New York.

Kumar A.K.V., Srinivasan, K.K., Shanbhag, T., Rao, S.G. (1994). *Aphrodisiac activity of the seeds of Mucuna pruriens*. Indian Drugs; 31, 321-327

Kumar, D. S, Muthu, A. K, Smith, A.A and Manavalan, R. (2010). *Free radical scavenging activity of various extracts of whole plant of Mucuna pruriens (Linn): An in-vitro evaluation*. Journal of Pharmacy Research, 3(4),718-721

Leeds, A. R (1982). *Legumes and gastrointestinal function in relation to diets for diabetics*. Journal of Plant Foods 4: 23-27

Levitt M, Spctor S, Sjoerdsma A, Udenfriend S. (1965). *Elucidation of the rate-limiting step in norepinephrine biosynthesis in the perfused guinea-pig heart*. J Pharmacol Exp Ther ; 23:1493-501.

Malole, M. B. M. dan C. S. Pramono. (1989). *Penggunaan Hewan-hewan Percobaan Laboratorium*. Departemen Pendidikan dan Kebudayaan. Direktorat Jendral Pendidikan Tinggi Pusat Antar Universitas Bioteknologi. Institut Pertanian Bogor, Bogor.

Martinez, H.R., B. Larson, H. Pertoff. (1996). *Evaluation of Sperm Damage and Techniques for Gamete Manipulation and Storage*. New Zealand: Hamilton. hal. 57

Viensa Pradipta, 2013

Mathur, M., Sundaramoorthy, S., (2009): *Plants with aphrodisiac potentials-the knowledge and the gaps.* In: Trivedi, P.C., (Ed.), Indian Medicinal Plants. Aavishkar Publisher, Jaipur, India. pp.1-31

McGrady AV. (1984). *Effects of psychological stress on male reproduction: a review.* Arch Androl;13:1–7.

McLachlan R, de Kreter D. (2001). *Male infertility: The case for continued research.* MJA;174:116–117

Mehta, R. H. (2006). *Prevalence of Oligozoospermia and azoospermia in male partners of infertile couples from different parts of India.* Asian J Androl; 8:89-93

Mendis-Handagama S. M. L. C, Siril Ariyaratne H. B. (2005). *Leydig cells, thyroid hormones and steroidogenesis.* Indian J Exp Biol;43:939–62.

Misra, L. and Wagner, H. (2006). *Lipid derivatives from Mucuna pruriens seeds.* Indian. J. Chem. Section B.; 45, 801-804.

Misra, L. and Wagner, H. (2007). *Extraction of bioactive principles from Mucuna pruriens seeds.* Indian. J. Biochem. Bio.; 44, 55-60.

Nagatsu T. (1981). *Biopterin cofactor and regulation of monoamine-synthesizing mono-oxygenase.* Trends Pharmacol Sci ; 2:276-9.

Nagatsu T, Levitt M, Uderfriend S. (1964). *Tyrosine hydroxylase: the initial step in norepinephrine biosynthesis.* J Biol Chem; 239:2910-7.

Norris, D. O. (1980). *Vertebrate Endocrinology.* Philadelphia: Lea & Febiger

Vienna Pradipta, 2013

Nurhuda, O. Soeradi, N. Suhana dan M. Sadikin, (1995). *Pengaruh Pemberian Buah Pare Terhadap Jumlah dan Motilitas Spermatozoa Tikus Jantan Strain LMR*. *Jurnal Kedokteran YARSI*. 3(2): 5-7

Olayemi, F. O., (2010): *A review on some causes of male infertility*. AJBT., 9 (20): 2834-3842

Plantamor (2011). *Karabenguk (Mucuna pruriens varutilis)*. [Online]. Tersedia: <http://www.plantamor.com/index.php?plant=871> [03 Oktober 2011]

Pretty, J. (Compiler), Carsky, B., Manyong, V., Bunch, R., and Campbell-Jones, S. (Director, Producer), (1998). *The Magic Bean (Mucuna pruriens ~ the velvetbean)*, UK: University of Essex.

Rajeshwar, Y, Gupta, M. and Mazumder, U.K. (2005). *Antitumor Activity and in vivo Antioxidant Status of Mucuna pruriens (Fabaceae) Seeds against Ehrlich Ascites Carcinoma in Swiss Albino Mice*. Iranian Journal Of Pharmacology & Therapeutics IJPT 4:46-53

Rajeshwar, Y. Kumar, S. Gupta, M. Mazumder, U.K. (2005). *Studies on in vitro antioxidant activities of methanol extract of Mucuna pruriens (Fabaceae) seeds*. Eur. Bull. Drug Res., Firenze, v.13, n.1, p31-39,

Robbins-Trevor W. (1992). *Milestones in dopamine research*. Semin. Neurosci.; 4:93-7.

Sathiyanarayanan, L.; Arulmozhi, S. (2007). *Mucuna pruriens Linn – a comprehensive review*. Pharmacog. Rev., Mumbai, v.1, n. 1, p. 157-162,

- Sato Y, Suzuki N, Horita H, Wada H, Shibuya A, Adachi H., (1996). *Effect of long term psychological stress on sexual behavior and brain catecholamine levels.* J Androl;17:83–90.
- Sharlip, I.D.; Jarow, J.P.; Belker, A.M.; Lipshultz, L.I.; Sigman, M. and Thomas, A.J. (2002) *Best practice policies for male infertility.* Fertil Steril. 77 pp 873–82.
- Siddhuraju, P.; Vijayakumari, K.; Janardhanan, K. (1996). *Chemical composition and protein quality of the little-known legume, velvet bean (*Mucuna pruriens (L.) DC*).* J. Agric. Food Chem., Washington, v.44, n.9, p.2636-2641,
- Shukla, K.K., Mahdi, A.A., Ahmad, M.K., Shankhwar, S.N., Rajender, S., Jaiswar, S.P., (2008). *Fertil Steril. Mucuna pruriens improves male fertility by its action on the hypothalamus pituitarygonadal axis.* Epub. 92(6):1934-40
- Smith, J. B. dan S. Mangkoewidjojo. (1988). *Pemeliharaan Pembibitan dan Penggunaan Hewan Percobaan di Daerah Tropis.* Universitas Indonesia Press., Jakarta.
- Sood. S. K., Rana, S., Lakhnpal, T. N., (2005): *Ethnic Aphrodisiac Plants.* Scientific Publishers, Jodhpur, pp.190.
- Sridhar, K.R. and Bhat, R., (2007). *Agrobotanical, nutritional and bioactive potential of unconventional legume - Mucuna.* Livestock Research for Rural Development. Volume 19, Article #126. Retrieved May 2008, from <http://www.cipav.org.co/lrrd/lrrd19/9/srid19126.htm>.

Viensa Pradipta, 2013

Sukandar, D., (2000). *Flavonoid Terpenilasi Dari Kayu Batang Tumbuhan Artocarpus champeden spreng.* Bandung: Institut Teknologi Bandung.

Sundaram, U. Marimuthu, M. and Gurumoorthi, P. (2012). *Antibacterial Activity of Velvet Bean (*Mucuna pruriens Linn.*) Seed Extracts against Human and Plant Pathogens.* Int J Med Res., 2012; 1(6): 301-304

Talwar G P, Srivastava L M and Mudgil K D (1989). *Text Book of Biochemistry and Human Biology.* Prentice Hall of India Private Limited, India.

Taylor, L., (2004). *The Healing Power of Rainforest Herbs.* Square One Publishers, Inc., New York.

Teixeira, A.A., Rich, E.C., dan Szabo, N.J. (2003). “*Water Extraction of L-Dopa from Mucuna Bean*” . Tropical and Subtropical Agroecosystem. 1, 159-171.

Tian, G., Kolawole, G.O., Kang, B.T., Kirchhof, G., (2000). *Nitrogen fertilizer replacement indexes of legume cover crops in the derived savanna of West Africa.* Plant Soil 224:287-296

Toelihere, M.R. (1985). *Fisiologi Reproduksi pada Ternak.* Bandung: Penerbit Angkasa. hal. 66

Tremallen, K. (2008). *Oxidative Stress and Male Infertility – A Clinical Perspective.* Human Reproduction Update, 1 – 16.

Ukachukwu, S.N., Ezeagu, I.E., Tarawali, G., and Ikeorgu, J.E.G., (2002). *Utilization of Mucuna as food and feed in West Africa. In: Food and Feed from Mucuna: Current Issues and the Way Forward.* International Cover Crops Clearinghouse, Honduras, p. 189-217.

Viensa Pradipta, 2013

Van, K. W., (1997): *Deterioration of sperm quantity in young Belgian men during recent decades.* Hum. Reprod., 9: 73.

Vermes I, Toth E. K, Telegdy G. (1979). *Effects of drugs on brain neurotransmitter and pituitary testicular function in male rats.* Horm Res;10:222–32.

Versteeg, M.N., Amadji, F., Eteka, A., Houndekon, V., Manyong, V.M., (1998). *Collaboration to increase the use of Mucuna in production systems in Benin.* International Institute of Tropical Agriculture (IITA) and Sasakawa Global 2000 (SG 2000), Ottawa, Canada, p. 33-44.

Walker A F (1982). *Physiological effects of legumes in the human diet: A review.* Journal of Plant Foods 4: 5-14.

Washington W. J., R. C. Murthy A. Doye K. Eugene D. Brown and I. Bradley. (1983). *Induction of morphologically abnormal sperm in rats exposed to oxylene.* Arch. Androl. 11: 233 -237

Weiner N, Molinoff P. B. Cathecolamines. En: Siegel GJ, Agranoff B, Albers RW, Molinoff PB eds. (1989). *Basic Neurochemistry.* 4 Ed. New York: Raven Press; p. 233-51.

West, M. E, Sidrak, G. H, Street, S. P. W. (1971). *The Anti-Growth Properties of Extracts from Momordica charantia L.* West md. Med. J. 20: 25

Winarni, S. Judiwati, R. Prajogo, B. Hayati, A. (2011). *Fraksi Etanol 96% Bui Koro Benguk (Mucuna Pruriens L.) Sebagai Peningkat Kualitas Spermatozoa Mencit (Mus Musculus).* Jurnal Kesehatan Reproduksi Vol. 1 No 2, April 2011 : 60 - 66

Viensa Pradipta, 2013

Yakubu, M. T., Akanjii, M. A., Oladiji, A., (2007): *Male sexual dysfunction and methods used in assessing medicinal plants with aphrodisiac potential.* Pharmacogn. Rev., 11: 49-56

Yavetz, H., Leah Yogeve, Sandra Kleiman, Amnon Botchan, Ron Hauser, Joseph, B. Lessing, Gedalia Paz, And Ronni Gamzu. (2001). *Morphology of Testicular Sperma Obtained By Testicular Sperm Extraction in Obstructive And Nonobstructive Azoospermic Men And Its Relation To Fertilization Success In The In Vitro Fertilization- Intraplasmic Sperm Injection System. Journal Of Andrology.* 22(3).



Viensa Pradipta, 2013