

REFERENCES

1. Rahman, A., *Quranic Sciences*, Pustaka National Pte. Ltd. Singapore, (1981) p.146.
2. Zakaria, M. and Mustafa A.M., *Traditional Malay Medicinal Plants*, Penerbit Fajar Bakti Sdn. Bhd., Malaysia, (1994) p.4.
3. Goh, S.H., Soepadmo, E. and Chuah, C.H., *Phytochemical guide to Malaysian Flora*, Perpustakaan Negara Malaysia, 2nd ed., (1993) p.v.
4. a) Zhong Y.D.C.D., *Dictionary of Chinese Materia Medica*, ed. By Jiangsu New Medical College, (1977) p.168, 1375.
b) Kosuge, T., Yokota, M., Sugiyama, K., Saito, M., Iwata, Y., Nakura, M. and Yamamoto, T., *Studies on Anticancer Principles in Chinese Medicines. II. Cytotoxic Principles in Biota orientalis (L.) Endl. and Kaempferia galanga L.*, *Chemical and Pharmaceutical Bulletin*, **33(12)** (1985) p.5565-67.
5. Ridley, H.N., *Material for a flora of the Malayan Peninsula*, Singapore (1909) p.1.
6. Ridley, H.N., *The Flora of the Malay Peninsula*, **IV** (1967) p.233.
7. Holttum, R.E., *Garden Bulletin Singapore*, **13** (1950) p.2-245.
8. Sirat, H.A., *Chemical constituents of some medicinal plants of Zingiberaceae, Medicinal products from tropical rain forests - proceedings of the Conference*, (May 13-15, 1991) p.299-304.
9. Burkill, I.H., *A dictionary of the economic products of the Malay Peninsular*, Ministry of Agriculture and Cooperative, Kuala Lumpur, 2nd ed., **1 & 2** (1966).
10. Benson, L., *Plant Classification*, (1979) p.375-8.

11. Maas, P.J.M., *Flora Neotropica, Costoideae (Zingiberaceae)*, Monograph No. 8, Hagner Publishing Company, New York, (1972) p.17.
12. Ibrahim, H. and Rahman, A.A., *Several ginger plants (Zingiberaceae) of potential value - Proceedings : Malaysian Traditional Medicine*, Kuala Lumpur, (1988) p.159-161.
13. Perry, L.M. and Metzger, J., *Medicinal Plants of East and southeast Asia. Attributed properties and uses*, MIT Press, p.442.
14. Penggunaan ubatan tradisional oleh Suku kaum di Sabah, *Medicinal products from Tropical Rain Forests - proceedings of the Conference*, (1991) p.80-92.
15. Mustafa A.M., Shahuddin H., Ibrahim, H. and Mustafa, M.R., *Mechanism of the vasorelaxant effect of the chloroform extract of Kaempferia galanga L. rhizomes on rat thoracic aorta* - Persidangan Saintifik Tahunan Persatuan Farmakologi dan Fisiologi Malaysia ke sebelas, (May 26-28, 1995).
16. Tilaar, M., Roemantyo, H.S. and Riswan, S., *Kunyit (Curcuma domestica), The Queen of Jamu : Medicinal products from Tropical Rain Forests - proceedings of the Conference*, (1991) p.67-72.
17. Itokawa, H., Morita, H., Sumitomo, T., Totsuka, N. and Takeya, K., *Antitumour Principles from Alpinia galanga, Planta Medica*, (1987) p.32-33.
18. Denyer, C., V., Jackson, P., Loakes, D., M., Ellis, M., R. and Young, D., A., B., *Isolation of antirhinoviral sesquiterpenes from ginger (Zingiber officinale)*, *Journal of Natural Products*, **57(5)** (1994) p.658-62.
19. Endo, K., Kanno, E. and Oshima, Y., *Structures of antifungal diarylheptenones, gingerenones A, B, C and isogingerenone B, isolated from the rhizomes of Zingiber officinale*, *Phytochemistry*, **29(3)** (1990) p.797-9.

20. Apisariyakul, A., Vanittanakom, N. and Buddhasukh, D., *Antifungal activity of turmeric oil extracted from Curcuma longa (Zingiberaceae)*, *Journal of Ethnopharmacology*, **49** (1995) p.163-9.
21. Nakanishi, K., Goto, T., Itô, S., Natori, S. and Nozoe, S., *Natural Products Chemistry*, **2** (1975) p.131-254.
22. Harborne, J. B. and Simmons, N. W., *Biochemistry of Phenolic compounds*, Academic Press, New York, (1964).
23. Gayon, P. R., *Conspectus of the phenolic constituents- Plant phenolics*, (1972) p.1-22.
24. Nakanishi, K., Goto, T., Itô, S., Natori, S. and Nozoe, S., *Natural Products Chemistry*, **1** (1974) p.39-420.
25. Pinder, A.R., *The Chemistry of the Terpenes, Chapter VI*, Chapman and Hall Ltd., (1960) p.114.
26. Burns, W.D.P., Carson, M.S., Cocker, W. and Shannon, P.V.R., *The Chemistry of Terpenes. Part VIII. - Some volatile neutral products of the oxidation of (+)-Car-3-ene with Permanganate*, *Journal of Chemical Society (C)*, (1968) p.3073-9.
27. Simonsen, J.L., *The Terpenes - The simpler acyclic and monocyclic terpenes and their derivatives*, **I** (1953) p.423-432.
28. Zhu L., Li Y., Li B., Lu B. and Xia N., *Kaempferia galanga* Linn. (*Zingiberaceae*) - *Aromatic Plants and Essential Constituents*, (1993) p.103.

29. Rozana O., Mustafa A.M., Mustafa, M.R., Ibrahim, H., *Analysis of Bioactive extract from Kaempferia galanga L.*, 20th Annual Conference of the Malaysian Society for Biochemistry and Molecular Biology - Poster presentation, (Sept. 19-20,1995).
30. Itokawa, H., Yoshimoto, S. and Morita, H., *Diterpenes from the rhizomes of Alpinia formosana*, *Phytochemistry*, **27(2)** (1988) p.435-8.
31. Kuroyanagi, M., Fukushima, S., Yoshihira, K., Natori, S., Dechatiwongse, T., Mihashi, K., Nishi, M. and Hara, S., *Further characterization of the constituents of a Thai medicinal plant, Zingiber cassumunar Roxb.*, *Chemical and Pharmaceutical Bulletin*, **28(10)** (1980) p.2948-59.
32. Jurgens, T.M., Frazier, E.G., Schaeffer, J.M., Jones, T.E., Zink, D.L., Borris, R.P., Nanakorn, W., Beck, H.T. and Balick, M.J., *Novel nematocidal agents from Curcuma comosa*, *Journal of Natural Products*, **57(2)** (Feb.,1994) p.230-5.
33. Itokawa, H., Morita, M. and Mihashi, S., *Labdane and Bisnorlabdane Type Diterpenes from Alpinia speciosa K. Schum.*, *Chemical and Pharmaceutical Bulletin*, **28(11)** (1980) p.3452-4.
34. Weiss, U. and Edwards, J.M., *The Biosynthesis of Aromatic Compounds - Aromatic Terpenoids*, (1980) p.563-5.
35. Kimbu, S.F., Njimi, T.K., Sondengam, B.L., Akinniyi, J.A. and Connolly, J.D., *The Structure of a Labdane Dialdehyde from Afromomum danielli (Zingiberaceae)*, *Journal of Chemical Society, Perkins I*, (1979) p.1303-4.

36. Tuchinda, P., Udchachon. J., Reutrakul, V., Santisuk, T., Skelton, B.W., White, A.H. and Taylor, W.C., *Pimarane Diterpenes from Kaempferia pulchra*, *Phytochemistry*, **36(3)** (1994) p.731-4.
37. Ahmad, F. and Raji, H., *Ubatan tradisional dan tumbuhan berubat, Kimia hasilan semulajadi dan tumbuhan ubatan*, Dewan Bahasa dan Pustaka (1993) p.166-82.
38. Damodaran, N.P. and Dev, S., *Tetrahedron*, **24** (1968) p.4123-33.
39. Nakanishi, K., Goto, T., Itô, S., Natori, S. and Nozoe, S., *Natural Products Chemistry*, **I** (1974) p.1-10.
40. Weiss, U. and Edwards, J.M., *The biosynthesis of aromatic compounds*, Chap.1, A Wiley-Interscience Publications (1980) p.1-40.
41. Weiss, U. and Edwards, J.M., *Biosynthesis of aromatic compounds from acetic acid - The biosynthesis of aromatic compounds*, Chap.17, A Wiley-Interscience Publications (1980) p.326.
42. Davis, B.D., *Amino Acid Metabolism*, John Hopkins (1955) p.799.
43. Sprinson, D.B., *Advanced Carbohydrate Chemistry*, **15** (1960) p.235.
44. Floss, H.G., *Biochemistry of Plant Phenolics, Recent advances in phytochemistry - Proceedings of the Joint Symposium of the Phytochemical Society of Europe and the Phytochemical Society of North America*, **12** (1979) p.59-89.
45. Weiss, U. and Edwards, J.M., *Biosynthesis of aromatic compounds from Glucose via Shikimic acid - The biosynthesis of aromatic compounds*, Chap.2, A Wiley-Interscience Publications (1980) p.50.

46. Gayon, P.R., *Metabolism and Biological Properties of Phenolic Constituents - Plant Phenolics*, (1972) p.203.
47. Weiss, U. and Edwards, J.M., *Biosynthetic conversion of chorismic acid to para-hydroxybenzoic acid and ubiquinone - The biosynthesis of aromatic compounds*, Chap.11, A Wiley-Interscience Publications (1980) p.251-9.
48. Friis, P., Daves, G.D. and Folkers, K., *Journal of the American Chemical Society*, **88(20)** (1966) p.4754-6.
49. Finkle, B.J., *Patterns of phenolic mediation in plants and animals - Phenolic compounds and metabolic regulation*, Chap. 1 (1967) p.2-24.
50. a) Weiss, U. and Edwards, J.M., *The Shikimate pathway as a source of aromatic metabolites - The biosynthesis of aromatic compounds*, Chap.16, A Wiley-Interscience Publications (1980) p.302-25.
b) Weiss, U. and Edwards, J.M., *Generality of the Shikimate pathway - The biosynthesis of aromatic compounds*, Chap.14, A Wiley-Interscience Publications (1980) p.277-86.
51. Pinder, A. R., *The chemistry of the terpenes*, Chap. II, Chapman & Hall Ltd. (1960) p.5-27.
52. Templeton, W., *An introduction to the chemistry of the terpenoids and steroids*, (1969) p.25-40.
53. Richards, J.H. and Hendrickson, J.B., *The biosynthesis of steroids, terpenes and acetogenins*, Chap.6, W. A. Benjamin Inc. (1964) p.173-206.
54. Solomons, T. W. G., *Organic chemistry*, Chap.23, John Wiley and Sons Inc. (1996) p.1134-7.

55. Goh S. H. and Chuah C. H., *An introductory course to high resolution FT-NMR*, Chapter 6, Printed in Institute for Advanced Studies, University of Malaya (1991) p.73.
56. Williams, D. H. and Fleming, I., *Spectroscopic methods in organic chemistry*, McGraw Hill Book Company, 4th edition (1989) p.xi-xii.
57. Silverstein, R. M., Bassler, G. C. and Morrill, T. C., *Spectrometric identification of organic compounds*, Chapter 7, John Wiley and Sons Inc., 5th edition (1991) p.289-315.
58. Itokawa, H., Morita, H., Midorikawa, I., Aiyama, R. and Morita, M., *Diarylheptanoids from the rhizome of Alpinia officinarum Hance*, *Chemical and Pharmaceutical Bulletin*, **33(11)** (1985) p.4889-93.
59. Itokawa, H., Aiyama, R. and Ikuta, A., *A pungent principle from Alpinia oxyphylla*, *Phytochemistry*, **21(1)** (1982) p.241-3.
60. Williams, D. H. and Fleming, I., *Spectroscopic methods in organic chemistry*, Chapter 4, McGraw-Hill Book Co., 4th edition (1989) p.150-198.
61. Silverstein, R. M., Bassler, G. C. and Morrill, T. C., *Spectrometric identification of organic compounds*, Chapter 2, John Wiley and Sons Inc., 5th edition (1991) p.3-43.
62. Asakawa, Y., Genjida, F., Hayashi, S. and Matsuura, T., *A new ketol from Alunus firma Sieb. et. Zucc. (Betulaceae)*, *Tetrahedron letters*, **38** (1969) p.3235-37.
63. Harborne, J. B., *Phytochemical methods*, Chapter 2, Chapman and Hall, 2nd edition (1984), p.33-88.

64. Fraenkel, G., Carter, R. E., McLachlan, A. and Richards, J. H., *Chemical shifts in C₅H₅⁻, C₆H₆ and C₇H₇⁺; Chemical shifts and π-electron densities, American Chemical Society Journal*, **82** (1960) p.5846-50.
65. Silverstein, R. M., Bassler, G. C. and Morrill, T. C., *Spectrometric identification of organic compounds*, Chapter 4, John Wiley and Sons Inc., 5th edition (1991) p.165-225.
66. Corio, P., L. and Dailey, B. P., *Relative electron densities in substituted benzenes, Journal of the American Chemical Society*, **78** (1956) p.3043-8.
67. Highet, R., J. and Highet, P. F., *The characterization of complex phenols by nuclear magnetic resonance spectra, Journal of the American Chemical Society*, (1965) p.902-6.
68. Rasool, N., Khan, A., Q. and Malik, A., *Plicatin A and B, two phenolic cinnamates from Psoralea plicata, Phytochemistry*, **29(12)** (1990) p.3979-81.
69. Pettit, G., R. and Singh, S., B., *Isolation, structure and synthesis of combretastin A-2, A-3 and B-2, Canadian Journal of Chemistry*, **65** (1987) p.2390-6.
70. Wittstruck, T., A. and Trachtenberg, E., N., *A nuclear magnetic resonance study of transmission of electronic effects. Ethylbenzenes, dihydrocinnamic acids and cis- and trans-cinnamic acids, Journal of the American Chemical Society*, **89(15)** (1967) p.3803-9.
71. Schmitt, A., Telikepalli, H. and Mitscher, L., A., *Plicatin B, the antimicrobial principle of Psoralea juncea, Phytochemistry*, **30(11)** (1991) p.3569-70.

72. Kuroyanagi, M., Noro, T., Fukushima, S., Aiyama, R., Ikuta, A., Itokawa, H. and Morita, M., *Studies on the constituents of the seeds of Alpinia katsumadai* Hayata, *Chemical and Pharmaceutical Bulletin*, **31(5)** (1983) p.1544-1550.
73. Bram, L., L., Phillips, R., S. and Dickey, N., H., *Funk and Wagnalls new Encyclopaedia*, **18** () p.170-1.
74. A. Rashid, B., A., *Secondary metabolites of Atalantia roxburghiana Hook and A. monophylla DC and their smooth muscle relaxant activity*, *A thesis submitted to the Department of Botany, Faculty of Science, University of Malaya, in fulfilment of the requirements for the degree of Master of Science*, (1993) p.20-26.
75. Jiang, H. and Stephens, N., L., *Calcium and smooth muscle contraction, Molecular and Cellular Biochemistry*, **135** (1994) p.1-9.
76. Karaki, H., *Use of tension measurements to delineate the mode of action of vasodilators*, *Journal of Pharmacological methods*, **18** (1987) p.1-21.
77. Vanhoutte, P., M., Verbeuren, T., J. and Webb, C., *Local modulation of adrenergic neuroeffector interaction in the blood vessel wall*, *Physiological Review*, **61** (1981) p.151-247.
78. Karaki, H. and Weiss, G., B., *Calcium release in smooth muscle*, *Life Sciences*, **42(2)** (1988) p.111-22.
79. Karaki, H., *Cytosolic calcium levels in vascular smooth muscle*, *Acta Haematologica Japonica*, **52(8)** (1989) p.1506-15.
80. A. Latif, A., A., *Calcium-mobilizing receptors, phosphoinositides and the generation of second messengers*, *Pharmacological Reviews*, **38** (1986) p.227-72.

81. Miyamoto, S., Nakazawa, H., Won, K., J. and Saito, K., *Calcium movements, distribution and functions in smooth muscle, Chap. V, Pharmacological Reviews*, **49**(2) (1997) p.208-10.
82. Bolton, T., B., *Mechanism of action of transmitters and other substances on smooth muscle, Physiological Review*, **59** (1979) p.606-718.
83. Karaki, H. and Weiss, G., B., *Calcium channels in smooth muscle, Gastroenterology*, **87** (1984) p.960-70.
84. Drayer, J., I., M. and Haasen, C., *Drug therapy in hypertension, Clinical Pharmacology*, Marcel Decker Inc., 6th edition (1987) p. 191-211.
85. Van Breemen, C., Aaronson, P. and Loutzenhiser, R., *Sodium-calcium interactions in mammalian smooth muscle, Pharmacological Reviews*, **30** (1979) p.167-208.
86. Rasmussen, H. and Barrett, P., O., *Calcium messenger system: an integrated view, Physiological Review*, **64** (1984) p.938-84.
87. Ignarro, L., J. and Kadowitz, P., J., *The pharmacological and physiological role of cyclic GMP in vascular smooth muscle relaxation, Annual Review of Pharmacology*, **25** (1985) p.171-91.
88. Hughes, A., D., *Calcium channels in vascular smooth muscle cells, Journal of Vascular Research*, **32** (1995) p.353-70.
89. Bolton, T., B. and Large, W., A., *Are junction potentials essential? Dual mechanism of smooth muscle cell activation by transmitter released from autonomic nerves, Q. J. Exp. Physiology*, **71** (1986) p.1-28.
90. Furchtgott, R., F., *The role of endothelium in the responses of vascular smooth muscle to drugs, Annual Review of Pharmacology*, **24** (1984) p.175-97.

91. Weiss, G., B., Winquist, R., J. and Silver, P., J., *Vascular smooth muscle and vasodilators, Cardiovascular Pharmacology*, 3rd edition (1990) p.75-105.
92. Neal, M., J., *Autonomic nervous system, Medical Pharmacology at a glance*, Blackwell Science Ltd, 3rd edition (1997) p.20-21.
93. Pijuan, V., Sukholutskaya, I., Kerrick, W., G., Lam, M., Van Breeman, C. and Litosch, I., *Rapid stimulation of Ins(1,4,5)P₃ production in rat aorta by norepinephrine correlation with contractile state, American Journal of Physiology*, **264** (1993) p.H126-32.
94. Hashimoto, T., Hirata, M., Itoh, T., Kanmura, Y. and Kuriyama, H., *Inositol-1,4,5-triphosphate activates pharmacomechanical coupling in smooth muscle of the rabbit mesenteric artery, Journal of Physiology (London)*, **370** (1986) p.605-18.
95. Miyamoto, S., Nakazawa, H., Won, K., J. and Saito, K., *Calcium movements, distribution and functions in smooth muscle, Chap. IV. Effects of Pharmacological agents, Pharmacological Reviews*, **49(2)** (1997) p.181-208.
96. Neal, M., J., *Drugs used in hypertension, Medical Pharmacology at a glance*, Blackwell Science, 3rd edition (1997) p.36-37.
97. Triggle, D., J., *Calcium antagonists, Cardiovascular Pharmacology*, 3rd edition (1990) p.107-60.
98. Karaki, H., *Inhibitory effect of calcium channel blockers in vascular smooth muscle, Proceedings of the Asian-Pacific Symposium on calcium antagonists*, Tokyo (1992).

99. Hagiwara, S., Mitsui, M. and Karaki, H., *Effects of felodipine, nifedipine and verapamil on cytosolic Ca^{2+} and contraction in vascular smooth muscle*, *European Journal of Pharmacology*, **234** (1993) p.1-7.
100. Page, I., H. and Helmer, O., M., *A crystalline pressor substance (angiotensin) resulting from the reaction between renin and renin activator*, *Journal of Experimental Medicine*, **71** (1940) p.29-42.
101. Hansen, K., Nyman, U., Smitt, U., W., Adsersen, A., Gudiksen, L., Rajasekharan, S. and Pushpangadan, P., *In vitro screening of traditional medicines for anti-hypertensive effect based on inhibition of the angiotensin-converting enzyme (ACE)*, *Journal of Ethnopharmacology*, **48** (1995) p.43-51.
102. Ventura, H., O. and Messerli, F., H., *Angiotensin-converting enzyme inhibitors: A new class of antihypertensive drugs*, *Drug Therapy in Hypertension*, Marcel Dekker Inc., 6th edition (1987) p.139-62.
103. Lee, M., R., Li, L. and Kitazawa, T., *Cyclic GMP causes Ca^{2+} desensitization in vascular smooth muscle by activating the myosin light phosphatase*, *The Journal of Biological Chemistry*, **272(8)** (1997) p.5063-68.
104. Lincoln, T., M., *Effects of nitroprusside and 8-bromo-cyclic GMP on the contractile activity of the rat aorta*, *The Journal of Pharmacology and Experimental Therapeutics*, **224** (1983) p.100-7.
105. Ignarro, L., J., Ross, G. and Tillisch, J., *Pharmacology of endothelium-derived nitric oxide and nitrovasodilators*, *Western Journal of Medicine*, **154** (1991) p.51-62.
106. Karaki, H., Nakagawa, H. and Urakama, N., *Comparative effects of verapamil and sodium nitroprusside on contraction and ^{45}Ca uptake in the smooth*

muscle of rabbit aorta, rat aorta and guinea-pig taenia coli, British Journal of Pharmacology, **81** (1984) p.393-400.

107. Furchtgott, R., F., *Role of endothelium in response of vascular smooth muscle, Circulation Research*, **54(5)** (1983) p.557-73.
108. Meisheri, K., D. and Van Breemen, C., *Effects of β -adrenergic stimulation on calcium movements in rabbit aortic smooth muscle; relationship with cyclic AMP, Journal of Physiology*, **331** (1982) p.429-41.
109. Tanaka, T., Umekawa, H., Saitoh, M., Ishikawa, T., Shin, T., Ito, M., Itoh, H., Kawamatsu, Y., Sugihara, H. and Hidaka, H., *Modulation of calmodulin function and of Ca^{2+} -induced smooth muscle contraction by the calmodulin antagonist, HT-74, Molecular Pharmacology*, **29** (1986) p.264-9.
110. Silverstein, R. M., Bassler, G. C. and Morrill, T. C., *Spectrometric identification of organic compounds*, Chapter 5, John Wiley and Sons Inc., 5th edition (1991) p.227-52.
111. Williams, D. H. and Fleming, I., *Spectroscopic methods in organic chemistry*, Chapter 3, McGraw-Hill Book Co., 4th edition (1989) p.63-85.
112. Mustafa, M., R., Mustafa, A., M. and Hashim, S., *Vasorelaxant effects of the chloroform extract of Kaempferia galanga on smooth muscles of the rat aorta, Asia Pacific Journal of Pharmacology*, **11** (1996) p.97-101.
113. McLaughlin, J., L., *Crown gall tumours on potato discs and brine shrimp lethality : two simple bioassays for higher plant screening and fractionation, Methods in Plant Biochemistry*, Academic Press Ltd., **6** (1991) p.1-10.
114. McLaughlin, J., L., Chang, C., J. and Smith, D., L., "Bench-top" bioassays for the discovery of bioactive natural products: an update, *The 8th National*

*Seminar and Unesco Regional Workshop on the Bioassay of Natural Products
with special emphasis on Anticancer Agents*, proceedings, (1990) p.28-39.

115. Solomons, T. W. G., *Organic chemistry*, John Wiley and Sons, Inc., 5th edition (1992) p.631.
116. Pandji, C., Grimm, C., Wray, V., Witte, L. and Proksch, P., *Insecticidal constituents from four species of the Zingiberaceae*, *Phytochemistry*, 34(2) (1993) p.415-9.
117. Kiuchi, F., Nakamura, N., Tsuda, Y., Kondo, K. and Yoshimura H., *Studies on crude drugs effective on visceral larva migrans. II. Larvicidal principles in Kaempferiae Rhizoma*, *Chemical and Pharmaceutical Bulletin*, 36(1) (1988) p.412-5.
118. Othman, R., Awang, K., Mustafa, M., R. and Mustafa A. M., *Bioactive constituents of Kaempferia galanga*, Poster presentation at the "Seminar Sebatian Semulajadi ke-12" in Johor, 11-12th June, 1996.
119. Othman, R., Mustafa A. M., Awang, K., Hidayat, J., Ali, H., M. and Mustafa, M., R., *Comparing the relaxant effects of ethyl cinnamate with cinnamaldehyde and its Schiff bases in the rat aorta*, Poster presentation at the "12th Scientific Meeting of the Malaysian Society of Pharmacology and Physiology" in Kuala Lumpur, 2-3rd June, 1997.
120. Othman, R., Awang, K., Mustafa, M., R., Mustafa A. M., Ibrahim, H., Hidayat, J. and Ali, H., M., *Chemical and pharmacological studies on chemical constituents of Kaempferia galanga Linn.*, Oral presentation at the "Seminar Sebatian Semulajadi ke-13" at FRIM, 5-6th August, 1997.

121. Vanhoutte, P., M., Rubanyi, G., M., Miller, V., M. and Houston, D., S., *Modulation of vascular smooth muscle contraction by endothelium*, *Annual Review of Physiology*, **48** (1986) p.307-30.
122. Cauvin, C. and Malik, S., *Induction of calcium influx and intracellular calcium release in isolated rat aorta and mesenteric resistance vessels by norepinephrine activation of α -receptors*, *Journal of Pharmacology and Experimental Therapeutics*, **230** (1984) p.413-8.
123. Geran, R., I., Greenberg, N., H., Macdonald, M., M., Schumacher, A., M. and Abbot, B., J., *Protocols for screening chemical agents and natural products against animal tumor and other biological systems*, *Cancer Chemotherapy Report*, **3(3)** (1972) p.16-17.
124. Zakaria, M. and Mustafa A., M., *Tumbuhan dan perubatan tradisional*, Penerbit Fajar Bakti Sdn. Bhd. (1992) p.87.
125. A. Rashid, B., A., *Secondary metabolites of Atalantia roxburghiana Hook and A. monophylla DC and their smooth muscle relaxant activity*, *A thesis submitted to the Department of Botany, Faculty of Science, University of Malaya, in fulfilment of the requirements for the degree of Master of Science*, (1993) p.101-2.
126. Karaki, H., Sato, K., Ozaki, H. and Murakami, K., *Effects of sodium nitroprusside on cytosolic calcium level in vascular smooth muscle*, *European Journal of Pharmacology*, **156** (1988) p.259-66.