RUJUKAN

Adams, R. P., and Demeke, T. (1993) Systematic relationships in *Juniperus* based on random amplified polymorphic DNAs (RAPDs). *Taxon* 42: 553-571.

Ahmad, F. and Raji, H. (1993). Kimia Hasilan Semulajadi dan Tumbuhan Ubatan. Dewan Bahasa dan Pustaka, Kuala Lumpur. 221 pp.

Aoki, Y. and H. Koshihara (1972) Inhibitory effects of acid polysaccharides from sea urchin embryos on RNA polymerase activity. *Biochim. Biophys. Acta* 272: 33-43

Apavatirut P, Sirisawad T, Sirirugsa P, Voraurai P, Suwanthada C. 1996. Studies of chromosome number of seventeen Thai Curcuma species. Proceedings of the 2nd National Conference on Flowers and Ornamentals 2: 86-99

Ardiyani M. 1997. The classification of Curcuma L.: A morphological and molecular study. M.Sc. Thesis, The University of Edinburgh and The Royal Botanic Garden Edinburgh, UK.

Asikainen S, Chen C and Slots J (1995) Oral Microbiol Immunol 10: 65-68

Authur, L. B. dan Clyde, T. Susceptibility Test: Diffusion Test Procedures. Lennette,

Bailey, L. H., 1978. Hortus Third, Mac Millan, New York.

Baker JG. 1890. Scitaminee. In: Hooker JD, ed. Flora of British India 6: 198-264

Balachandran SM. Bhat SR and Chandel KPS (1990) In vitro clonal multiplication of turmeric (Curcuma spp) and ginger (Zingiber officinale Rosc). Plant Cell Rep 8: 521-524

Batista, O., Simoes, M.F., Nascimento, J., Riberio, S., Duarte, A., Rodriguez, B. & De La Torre, M.C. 1996. A re-arranged abietane diterpenoid from *Plectranthus hereroensis. Phytochemistry* 41: 571-573

Bauer, A. W., Kirby, W. M. M., Sherris, J. C. and Turck, M. (1996). Antibiotic susceptibility testing by a standardized single disk method. *The Am. J. Clin. Pathol.* 36: 439-496. Bhagyalakshmi, Singh NS (1988) Meristem culture and micropropagation of a variety of ginger (Zingiber officinale Rosc) with a high yield of oleoresin. J. Hortic Sci 63:321-327

Bhakuni, D. S., Dhar, M.L., B.N. and Mehrortra, B. N. (1969). Screening of Indian plants for biological activity, part II. *Indian Journal of Experimental Biology* 7: 250-262.

Bird, C. J., Rice, E. L., Murphy, C. A., Rice, E. L., and Ragan, M. A. (1992) The 18S rRNA gene sequences of four commercially important seaweeds. *J. of Apll. Phycol.* 4: 379-384.

Borthakur M and Bordoloi DN (1992) Micropropagation of Curcuma amada Roxb. J. Spice and aromatic Crops 1: 154-156

Borthakur, M., Hazarika, J. and Singh, R.S. (1999). A protocol for micropropagation of *Alpinia galanga. Plant Cell, Tissue and Organ Culture* 55: 231-233.

Bové J (1988) Plant mollicutes: phloem-restricted agents and surface contaminants, Acta Hort 225: 215-222

Bradburry JF (1988) Identification of cultivable from plants and plants tissues by use simple classical methods, Acta Hort 225: 27-38

Brock, T.D. and Brock, K. M. 1989. Basic microbiology with applications. Prentice-Hall Inc., Englewood Cliffs, New Jersey, m.s. 324-360.

Brown, D. and Blowers, R. (1978). Disk method of sensitivity testing and other semiquantitative methods. In: Reeves, D. S., Philips, I.; Williams, J. D. and Wise, R. (eds.) *Laboratory Methods In Antimicrobial Chemotheraphy*, Curchill Livingstone, London. Pp. 31-49.

Burkill, I.H. (1966). In: A Dictionary of the Economic Products of the Malay Peninsular, 2 vols. Crown Agents for the Colonies, London.

Burkill, I.H.; Haniff, M. (1930). Malay Village Medicine. Card. Bull. Straits Settl., 6: 264-268

Caetano-Anollés G (1993) PCR Methods Applic 3:85-94

Caetano-Anollés G, Bassam BJ and Gresshoff PM (1991) Biotechnology 9:553-557

Cassels AC (1988) (Ed) Bacterial and bacteria-like contaminants of plants tissue cultures, Acta Hort 225 pp 225

Chalmers, K. J., Waugh, R., Sprent, J. I., Simone, A. J. and Powell, W. (1992) Detection of genetic variation between and within populations of *Gliricidia sepium* and *G. maculata* using RAPD markers. *Heridity* 69: 465-472

Chang, YS dan Rasadah, MA (2004). Inventory, documentation and status of medicinal plants research in Malaysia. *Medicinal plant research in Asia* 1:120

Chaparro, J. X., Werner, D. J., O'Malley, D., and Sederoff, R. R. (1994) Targeted mapping and linkage analysis of morphological, isozymes and RAPD markers I peach. *Theor. Appl.* 87: 805-815

Chapman, KR and Chomchalow (2004). Production of medicinal plants in Asia. Medicinal plant research in Asia 1:33

Chu, C.C. (1978). The N6 medium and its applications to anther culture of cereal crops. In: Proceedings of Symposium on Plant Tissue Culture. Science Press, Peking: 43-50.

Cinco M, De Giovannini R, Fattorini P, Florian F and Graziosi G (1993) Microbiologica 16: 23-32

Conger, B.V. (1981). Cloning Agriculture Plants via In Vitro Techniques. CRC Press, Inc., Boca Raton, Florida: 11-22.

Cronauer, S. S., and Krikorian, A. D., 1984. Rapid multiplication of bananas and plantains by *in vitro* shoot-tip culture. HortScience 19, 2, 234-235.

Dahlgren, R.M.T., Clifford, H. T. and Yeo, P. F., 1985. The Families of the Monocotyledons, Structure, Evolution and Taxonomy. Springer-Verlag, Berlin.

Dawson, I. K., Chalmers, K. J., Waugh, R., and Powell, W. (1993) Detection and analysis genetic variation in *Hordeum spontaneum* populations from Israel using RAPD markers. Mol. Ecol. 2: 151-159

Debergh PC and Maene LJ (1981). A scheme for mommercial propagation of ornamental plants by tissue culture. Scientia Hort 14: 335-345

Dekkers, AJ. (1989). *In vitro* propagation and germplasm conservation of certain bamboo, ginger and *Costus* species. Ph.D Thesis. Pp 239

de Lange JH, Willers P, Nel MI (1987) Elimination of nematodes from ginger (Zingiber officinale Rosc) by tissue culture. J Hortic Sci 62:249-252

Dettori, M.T. and palombi, M.A., (2000). Identification of *Feijoa sellowiana* Berg accession by RAPD markers. *Scientia Horticulturae* **86**: 279-290.

Dhar, L. M., Dhar, M. M., Dhawan, N. Mehrortra, B. N., Ray, C., 1968. Indian plants f or biological activity part 1. *Indian Journal of Experimental Biology* 6: 232-247

Dhawan, V and Bhojwani S.S., (1987) Hardening *in vitro* and morpho-physiological changes in the leaves during acclimatization of micropropagated plants of *Leucaena leucocephala* (LAM.) de wit, *Plant Science*, 53(1) Pp 65-72

Donnelly, D.J., Vivader, W.E., dan Lee, K.Y., (1985). The anatomy of tissue cultured red raspberry prior to and after transfer to soil. *Plant Cell, Tissue and Organ Culture* 4: 43-50.

Doyle, J.J. and Dickson, E.E. (1987). Preservation of plant samples for DNA restriction endonuclease analysis. *Taxon* **36**: 715-722

Doyle, J.J., and Doyle, J.L., (1987). A rapid DNA isolation procedure for small quantities of fresh leaf tissue. *Phytochemical Bulletin* 19: 11-15

Duguid, J.R., Marmion, B.P., and Swain, R.H.A., (1978) Medical microbiology 1 Curchill-Livingstone, London, 236-266

Ellsworth, D.L., Rittenhouse, K.D. and Honeycutt, R.L. (1993). Variation in randomly amplified polymorphic DNA banding patterns. *Biotechniques* 14: 214-217.

Erlich, H. A. (1988) Primer-directed enzymatic amplification of DNA with a thermostable DNA polymerase. Science (Walsh. D. C.) 239: 487-491

Erlich, H. A., Gelfand, D., and Sninsky, J. J. (1991) Recent advances in polymerase chain reaction. *Science (Wash. D. C.)* 252: 1643-1651

Evans, R. M. 1965. *The chemistry of antibiotics used in medicine*. Glaxo Research Limited, Greenford, Middlesex, Pergamon Press. M.s. 1-15.

Fabbri, A., Sutter, E., and Dunston K.S., (1986) Anatomical changes in persistent leaves of tissue cultured strawberry plants after removal from culture, *Scientia Horticulturae*, **28**(4): pp 331-337

Faria, R.T. and Illg, R.D. (1995). Micropropagation of Zingiber spectabile Griff. Plant Cell, Tissue and Organ Culture 62: 135-137.

Farnsworth, N. R. and Soejarto, D. D. (1991). Global Importance of Medicinal Plants. In: Akerele, O.; Heywood, V. and Synge, H. (eds.). *The Conservation of Medicinal Plants*, Cambridge Univ. Press, Cambridge. Pp: 25-51.

Fong, G., Walker, M. A., Granett, J. (1995) RAPD assessment of California phylloxera diversity. Mol. Plant-Microbe Interact 9: 47-54.

Fukuyama, Y., Sato, T., Asakawa, Y and Takemoto, T. (1982). A potent cytotoxic warburganal and related dri-mane-type sesquiterpenoids from *Polyganum hydropiper*. *Phytochemistry* 21, 2895-2898

Furukawa, K. and V.P. Bhavadna (1983) Influences of amniotic polysaccharides on DNA synthesis in isolated nuclei and by DNA polymerase: correlations of observed effect with properties of the polysaccharides. *Biochim. Biophys. Acta* 470: 466-475

Garrod, C.P. 1971. In: Antibiotic and chemotheraphy. Published by E.S. Livingstone. pp. 1-20.

George, E. F. dan Sherrington, P. D. (1984). Plant propagation by tissue culture. In: Plant Regeneration by Organogenesis. Vol. 3: Plant Regeneration and Genetic Variability Cell Culture and Somatic Genetics of Plants (ed. Vasil, I. K.). Exegetics, Eversley, England.

George, E.F. dan Sherrington, P. D., (1984). Plant Propagation by Tissue Culture (Handbook and directory of commercial laboratories). Eastern Press, Reading, U. K.

Giesendorf BA and Quint WG (1995). Cell Mol Biol (Noisy-le-grand) 41: 625-638

Goff, L.J. and Coleman, A.W. (1988) The use of plastid DNA restriction endonuclease pattern in delineating red algae species and populations. *J. Phycol* **29**:381-384

Goh, S. H., Soepadmo, E. and Chuah, C. H. (1993). *Phytochemical Guide to Malaysian Flora*, 2nd Edition. Institute of Advance Studies, University of Malaya, Kuala Lumpur. 103 pp.

Goh, S.H.: Chuah, C.H., Mok, J.S.L. and Soepadmo, E (1994). Malaysian Medicinal Plants for the Treatment of Cardiovascular Disease. ASEAN-Austria Economic Cooperation Project. Institute of Advanced Studies, University of Malaya. 163 pp

Goh, C., Kumar, P.P. and Yau, J.C.K. (1995). Genetic variations detected with RAPD markers in *Heliconia*. Acta Hort. 420: 72-74.

Griesbach RJ. Hammerschlag FA, Lawson RH (Eds) Tissue Cultures as a Plant Production System for Horticultural Crops (pp 95-96) Martinus nijhoff, Dordrecht.

Grout BBW, Price F (1987). The establishment of photosynthetic independence in strawberry cultures prior to transplanting, In: Ducate G, Jacobs M, Simeon A (Eds) Plants Micropropagation in Horticultural Industries: Preparation, Hardening and Acclimatization Process (pp 55-60) Belgium Plant Tissue Culture Group, Presses Universitaires, Liege.

Habsah, M., Amran, M., Mackeen, M.M., Lajis, N.H., Kikuzaki, H., Nakatani, N., Rahman, A.A., Ghafar and Ali, A.M. (2000). Screening of Zingiberaceae extracts for antimicrobial and antioxidant activities. *Journal of Ethnopharmacology* 72 (3): 403-410. Hadrys, H., Balick, M. and Schierwater, B. (1992) Applications of random amplified polymorphic DNA (RAPD) in molecular ecology. *Mol. Ecol. I*: 55-63

Hartman, R. D., 1974. Dasheen mosaic virus and other phytopathogens eliminated from caladium, taro and cocoyam by culture of shoot-tips. Phytopathology 64, 237-240.

Hawkes, J.G. (eds.). Cambridge Univ. Press p. 327-332.

Holttum, R. E. (1950). Gardens Bulletin Singapore, 13: pp1-250

Hong, Y.K., Coury, D.A., Polne-Fuller, M. and Gibor, A. (1992). Lithium Chloride extraction of DNA from the seaweed Porphyra perforata (Rhodophyta). J. Phycol. 28: 717-720

Horaniwow PF. 1862. prodromus monographiae scitaminearum. St. Petersburg. In: Apavatjrut P. et al. (1999). Molecular Markers in the Identification of Some Early flowering Curcuma L. (Zingiberaceae) species. Annals of Botany 84: 529-534.

Hosoki, T. and Sagawa, Y. (1977). Clonal propagation of ginger (Zingiber officinale Rosc.) through tissue culture. Hort. Sci. 12: 451-452.

Hu, C. Y. and Wang, P. J., (1984) Meristem, shoot-tip and bud cultures. In: Handbook of Plant Cell Culture I. Evans, D. A., Sharp, W. R. Ammirato, P. V. and Yamada, Y. (eds.). MacMillan, New York, p. 177-228.

Hughes, K. W. (1981). *In vitro* ecology-exogenous factors affecting growth and morphogenesis in plant culture systems. *Environmental and Experimental Botany.* 21: 281-288.

Hussey G and Stacey NJ (1981). *In vitro* propagation of potato (Solanum tuberossum L.) *Ann. Bot.* **28**: 509-526.

Ibrahim, H and Ahmad A. R (1998). Several Ginger Plants (Zingiberaceae) of Potential Value. Malaysian Traditional Medicine, kuala Lumpur, 1988, pp. 159-161

Ikeda, L.R. and Tambe, M.J. (1989). In vitro subculture application for ginger. Hortscience 24: 142-143. Illg, R.D. and Faria, R.T. (1995). Micropropagation of Alpinia purpurata from inflorescence buds. Plant Cell, Tissue and Organ Culture 40: 183-185.
Important Plants. Rao, A. N. (ed.). Proc. Intl. Symp. Singapore, 1981. p. 162-166.

Jackson, J. F. eds. Published by Springer-Verlag, 12, 309-320.

Jamil, S., Sirat, H. M., 1996. Penggunaan teknik kromatografi dan spektroskopi dalam analisis sebatian semulajadi daripada *Curcuma aeruginosa*. Malaysian Journal of Analytical Science **2**, 181-189.

Janaki N. & Bose J.L. (1967). Abstracts CSIR, New Delhi, India, 1986. 8(4): 386

Janssen, A.M.; Chin, M.C.J.; Scheffer, J.J.C. dan Baecham Svendsen, A.B. 1986. Screening for antimicrobial activity of some essential oils by the agar overlay technique. *Pharmaceutish Weekbald Scientific Edition*, **18**; 289-292.

Jones, M.G.K. (eds.). Nijhoff/Junk, Dordrecht, Netherlands. P. 175-205.

Kackar A, Bhat SR, Chandel KPS, Malik SK (1993) Plant regenaration via somatic embryogenesis in ginger. Plant Cell Tissue Organ Culture 32: 289-292

Kapoor, L.D., 1990a. Handbook of Ayurvedic Medicinal Plants. CRC, Press, Boca Raton.

Karim bin Yaacob, 1988. Proceedings: Malaysian Traditional Medicine, Kuala Lumpur, 1988, pp. 125-129

Kikuzaki, H., Nakatini, N., 1993. Antioxidant effect of some ginger constituents. Journal of Food Science 58, 1407-1410

Klein-Lankhorst, R. M., Vermunt, A., Weide, R., Liharska, T. and Zabel, P. (1990) Isolation of molecular markers for tomato (*L. esculentum*) using random amplified polymorphic DNA (RAPD) *Theor. Appl. Genet.* 83: 108-114

Knauss, J.F. and Miller, J.M. (1978). A contaminant *Erwinia carotovora* affecting commercial plant tissue culture. *In vitro* 14: 754-756

Kumar, P.E., Yau, J.C.K. and Goh, C.J. (1998). Genetic analyses of *Heliconia* species and cultivars with Randomly Amplified Polymorphic DNA (RAPD) markers. *J.Amer. Soc. Hort. Sci.* **123** (1):91-97.

Kuruvinashetty MS, Haridasan P and Iyer RD (1982) Tissue culture studies in turmeric (Curcuma longa L.) In: MK Nair et al., (eds) Proc. Nalt. Seminar on ginger and Turmeric CPCRI Kerala (pp 39-41)

Larsen, K., Ibrahim, H., Khaw, S.H. and Saw, L.G. (1999). *Gingers of Peninsular Malaysia and Singapore*. Natural History Publications (Borneo) Sdn. Bhd., Kota Kinabalu, Sabah; 135 pp.

Lasure, A., Vanden Berghe, D.A. and Vlietinck, A.J. (1995) Anti-microbial activity and anticomplement activity of extracts obtained from selected Hawaiian medicinal plants. *Journal of Ethnopharmacology* 49, 23-32.

Lebech A M, Hansen K, Wilske B and Theisen M (1994) Med Microbiol Immunol (Berl) 183: 325-341

Mak, C., Y.W. Ho, Y.P. Tan, R. Ibrahim and K.W. Liew (1995). Mutation induction by gamma irradiation in atriploid banana Pisang Berangan. Malaysian Journal of Science. 16A: 77-81.

Makino S, Okada Y, Maruyama T, Kaneko S and Sasakawa C (1994) J Clin Microbiol 32: 65-69.

Malamug JJF, Inden H and Asahira T (1991) Plantlet regenaration and propagation from ginger callus. *Sci Hortic* **48**: 89-97

Manandhar, N.P. (1985) Ethnobotanical notes of certain medicinal plants used by Tharus of Dang-Deokhuri District, Nepal. *International Journal of Crude Drug Research* 23(4): 153-159

Manandhar, N.P. (1986). Ethnobotany of Jumla District, Nepal. *International Journal of Crude Drug Research* 23(2): 81-89

Manandhar, N.P. (1987). Traditional medicinal plants used by tribals of Lamjung District, Nepal. International Journal of Crude Drug Research 23(4): 236-240 Manandhar, N.P. (1989a). Medicinal plants used by Chepang tribes of Makawanpur District, Nepal. *Fitoterapia* **60** (1), 61-68

Manandhar, N.P. (1989b). Useful Wild Plants of Nepal. Franz Steiner Verlag Wiesbaden, GmbH, Stuttgart, Germany.

Manandhar, N.P. (1989c). Folk-lore medicine of Chitwan District, Nepal. *Ethnobotany* 2: 31-38

Manandhar, N.P. (1990a). Traditional phytotheraphy of Danuwar tribes of Kamlakhoni in Sindhuli District, Nepal. *Fitoterapia* **61** (4): 325-331

Manandhar, N.P. (1990b). Medicobotany of Gorkha District, Nepal-an elucidation of medicinal plants. *International Journal of Crude Drug Research* 28 (1): 17-25

Martin. G.J. (1995). Ethnobotany: A methods Manual. Chapman and Hall, London. P

Martins A. P., Salgueiro L., Goncalves S., Mazzoni V., Tomi F., Casanova J. (2001) Essential Oil Composition and Antimicrobial Activity of Three Zingiberaceae from S. Tomé e príncipe *Planta Med* 67: 580-584

Mc Cutcheon, A.R., Ellis, S.M., Hancock, R.E.W., Towers, G.H.N., 1992. Antibiotic screening of medicinal plants of the British Columbian native peoples. *Journal of Ethnopharmacology* 37, 213-223

Menard C. and Mouton C (1995) Infect Immun 63: 2522-2531

Merh, P. S; Danaiel, M. and Sabnis, S.D. (1986). Chemistry and Taxonomy of some members of the Zingiberales. *Current Science*, 55, pp 835-839.

Michaels, S.D., John, M.C. and Amasino, R.M. (1994) Removal of polysaccharides from plant DNA by ethanol precipitation. *Biotechniques* 17(2): 274-276

Mohd Aspollah Hj Sukari, Omar Yusof and Md Shukur Ahmad (1988). Studies on the biological activity of some medicinal plants. Proceedings: Malaysian Traditional Medicine, Kuala Lumpur. Pp 170-172.

Moller, E. M., Bahnweg, G., Sandermann, H. and Geiger, H.H. (1992) A simple and efficient protocols for isolation of higher molecular weight from filamentous fungi, fruit bodies and infected plant tissues. *Nucleic Acid Research* 22: 6115-6116

Mrudul V. Shirgurkar, C. K. John and S. Nadgauda (2001) Factors affecting *in vitro* microrhizome production in turmeric *Plant Cell, Tissue and Organ Culture* **64**: 5-11

Murashige, T. (1978). The impact of plant tissue culture on agriculture. 15-26. Frontiers of Plant Tissue culture. *Proc. 4th Int. Congress of Plant Tissue and Cell Culture*. (Ed.) Trevor A. Thorpe. University of Calgary, Canada.

Murashige, T. and Skoog, F. (1962). A revised medium for rapid growth and bioassays with tobacco tissue culture. *Physiol. Plant.* 15: 473-497.

Murashige, T., A. (1974) A. Rev. Pl. Physiol., 25, 135

Murray, M.G. and Thompson, W.T. (1980). Rapid isolation of higher molecular weight plant DNA. *Nucleic Acids Res.* 8(19): 4321-4325

Nadgauda, R. S., Kulkarni, D.D., Mascarenhas, A. F. and Jagannathan, V., (1980). Development of plantlets from cultured tissue of ginger (Zingiber officinale Roscoe). In: Proc. Natl. Symp. Plant Tissue Culture, Genetic Manipulation and Somatic Hybridisation of Plant Cells. Rao, P. S., Heble, M. R. and Chadha, M.S. (eds.). p. 358-365.

Nadgauda, R. S., Mascarenhas, A. F., Hendre, R.R. and Jagannathan, V., (1978). Rapid multiplication of turmeric (*Curcuma longa L.*) plants by tissue culture. Indian Journal of Exp. Biol. **16**, 120-122.

Nadgauda, R.S., Mascarenhas, A.P. and Madhusoodanan, K.J., (1983). Clonal multiplication of Cardamom (*Elettaria cardamomum* Maton) by tissue culture. *Journal of Plantation Crops* 11, 1, 60-64.

Nadkarni. K.M., (1908). *Indian Materia Medica*. Vol 1&11. popular Prakashan, Bombay, p. 968

Ndamba. J., Nyazema. N., Makaza. N., Kaoendera. K. C., 1994. Traditional remedies used for the treatment of urinary schistosmiasis in Zimbabwe. *Journal of Ethnopharmacology* **42**: 125-132

Nei, M. and Li, W.H. (1979) Mathematical model for study genetic variation in terms of restriction endonucleases. *Proc. Natl. Acad. Sci. USA*. 74: 5267-5273

Nemeth G (1979) Benzyladenine-stimulated rooting in fruit-tree root stocks cultured in vitro. Z. Pflanzenphysiol. 95: 389-396

Nemeth, E.F., and Scarpa, A., (1986). Cytosolic Ca2+ and the regulation of secretion in parathyroid cells, *FEBS Letters*, **203**(1): pp 15-19

Noguchi Y & Yamakawa O (1988) Rapid clonal propagation of ginger (Zingiber officinale Rosc.) by roller tube culture. Jpn J Breed. 38: 437-442

Novy, R. G., Kobak, C., Goffreda, J., and Vorsa, N. (1994) RAPDs identify carietal misclassification and regional divergence in cranberry [Vaccinium macrocarpon (ait.) Pursh] Theor. Appl. Genet. 88: 1004-1010.

Nurdijati, S., Shaida F.S. & Chan L.K. Anti-microbial effects of Malaysian Galangal (Alpinia spp.) (1999). 22nd microbiology Symposium and JSPS-NRCT/DOST/LIPI/VCC Seminar Penang Parkroyal Resort.

Odinot PT, Meis JF, Van and Hurk PJ, Hoogkamp-Korstanje JA and Melchers WJ (1995) Epidemiol Infect 115: 269-277

Oliver, B.B.1986. Medicinal Plants in Tropical West Africa. Cambridge University Press London, m.s. 123-149.

Padmaja. V., Thankasamy, V., Hisham., 1993. Antibacterial, antifungal and anthelmintic activities of roots barks of *Uvaria hookeri* and *Uvaria narum. Journal of Ethnopharmacology* 40: 181-186

Pasteur and Jouberth 1897. In: Camp. Rend.soc. boil., 85:101.

Paz. E.A., Cerdeiras, M.P., Fernandez, J., Ferreira, F. F., Moyna. P., Soubes, M., Vazquez., A., Vero, S. and Zunino, L. (1995). Screening of Uruguayan medicinal plants for antimicrobial activities. *Journal of Ethnopharmacology* **45**: 67-70

Perry, L.M. (1980). In: Medicinal Plants of East and South East Asia: Attributed properties and uses. The Unit Press Cambridge, Massc. And London, England.Pp 436-444

Pierik R.L.M. (1991) Commercial micropropagation in Western Europe and Israel. In: Debergh PC & Zimmerman R H (eds) Micropropagation Technology and Applications (pp 155-165) Kluwer Academic Publishers, The Netherlands.

Pierik, R.L.M. and Steegmans, H.H.M. (1976). Vegetative propagation of *Anthurium scherzerianum* shoot through callus cultures. *Sci. Hortic* 4: 291.

Pierik, R.L.M., (1987). The influence of plant material on growth and development. In: In vitro culture of higher plant. Martinus Nijhoff Publ. Dordrecht. pp 107-113

Pierik, R.L.M., and A.J.M. Post. 1975. Rapid vegetative propagation of *Hyacinthus orientalis* L. *in vitro*. *Scientia Hort.*, **3**: 293-297.

Prece TF (1988) The natural history of plant pathogenic bacteria in and on plants, Acta Hort 225: 19-26

Preece, J.E. dan Sutter, E.G. (1991). Acclimatization of micropropagated plants to the green house and field. **In**: Micropropagation, Technology and Application. (eds. Deberg, P.C. dan Zimmerman, R.H.). *Kluwer Acad. Publ.* pp 71-93.

Purseglove, J. W., 1972. Tropical Crops, Monocotyledons. Longman, London.

Purseglove, J. W., Brown, E. G., Green, C. L. and Robbins, S. R. J., 1981. Spices II. Longman, London.

Rafalski A, Tingey S and Williams JGK (1991) AgBiotech News & Information 3: 645-648.

Rafalski A, Tingey S and Williams JGK (1994) Random Amplified Polymorphic DNA (RAPD) makers. In: Gelvin SB, Schilperoort RA (eds), Plant Molecular Biology Manual. Kluwer Academic Publishers, Dordrecht, vol H4. pp. 1-8.

Rafalski, J, A. (1997). Randomly amplified polymorphic DNA (RAPD) analysis. In: *DNA Markers – Protocols, Application and Overviews*. Caetano-Anollés, G. and Gressholf, P.M. (eds.), Willey-Liss, Inc., New York: 75-83.

Rahalison, L., Hamburger, M. and Hostettmann, K. (1991). A bioautographic agar overlay method for the detection of antifungal compounds from higher plants. *Phytochemical Analysis 2*: 199-203.

Ramachandran K. 1969. chromosome numbers in Zingiberaceae. Cytologie 34: 213-221

Rastogi dan Mehrotra, 1993 Compendium of Indian Medicinal Plants. CDRI, Lucknow and Publications & Information Directorate, New Delhi.

Rastogi, R.P., Mehrotra, B.N., 1995. Compendium of Indian Medicinal Plants. CDRI, Lucknow and Publications & Information Directorate, New Delhi.

Ravindranath, V., and Chandrasekhara, N., (1980). Absorption and tissue distribution of curcumin in rats. Discipline of Biochemistry and Applied Nutrition, Central Food Technological Research Institute, Mysore 570 013, India

Richard, E. (1987) Preparation of genomic DNA from plant tissue. In: Ausubel, F.M., Brent, R., Kingston, R.E., Moore D.D., Seidman, J.G., Smith, J.A. and struhl, K. (eds.). Current Protocols in Molecular Biology. Greene Publishing Associates and Wiley-Interscience, John Wiley and Sons, New York. pp. 2.3.1-3

Richard, E. (1988) Preparation of genomic DNA from plant tissue. In: Ausubel, F.M., Brent, R., Kingston, R.E., Moore D.D., Seidman, J.G., Smith, J.A. and struhl, K. (eds.). Current Protocols in Molecular Biology. John Wiley and Sons, New York. pp. 2.3.1-2.3.3

Ringe, F. and Nitsch, J. P., (1968) Conditions leading to flower formation on excised Begonia fragments cultured in vitro. Plant Cell Physiol 9: 639-652.

Ripley, K.P. dan Preece, J.E (1986). Micropropagation of Euphorbia lathyris L. Plant

Cell, Tissue and Organ Culture 5: 213-218.

Roell, M.K. and Morse, D.E. (1991) Fractionation of Nuclear, chloroplast and mitochondrial DNA from Polysiphonia boldii (Rhodophyta) using a rapid and simple method for the simultaneous isolation of RNA and DNA. *J. Phycol.* **27**: 299-305

Rout GR, Das P, Goel S & Raina SN (1998) Determination of genetic stability of micropropagated plants of ginger using Random Amplified Polymorphic DNA (RAPD) markers. Bot. Bull. Acad. Sin 39: 23-27.

Ruano, G., Brash, D.E. and Kidd, K.K. (1991) PCR: the first few cycles. Amplifications 7:1-4

Sachs, T. and Thimann, K. V., 1967. The role of auxins and cytokinins in the release of buds from dominance. Am. J. Bot. **54**, 136-144.

Saiki, R. L., Gelfand, D. H., Stoffel, S., Scharf, S. J. Higuchi, R., Horn, G. T., and

Salvi, N.D., George, L and Eapen, S. (2002). Micropropagation and field evaluation of micropropagated plants of turmeric In: Plant Cell, Tissue and Organ Culture 68: 143-151

Schumann K. 1904. Zingiberaceae. In: Engler, A. Das Pflanzenreich Regni Vegetabilis Conspectus 4. Leipzig: W. Englemann. In: Apavatjrut P. et al. (1999). Molecular Markers in the Identification of Some Early flowering Curcuma L. (Zingiberaceae) species. Annals of Botany 84: 529-534.

Sharma TR, Singh BM (1995) In vitro microrhizome of Zingiber officinale. Plant Cell report 15: 274-277

Sharma TR, Singh BM, Chauhan RS (1994) Production of disease-free encapsulated buds of Zingiber officinale. Plant Cell report 13: 300-302

Sharma TR, Singh BM, Chauhan RS (1995) In vitro microrhizome production in Zingiber officinale. Plant Cell Rep 15: 274-277 Sharma, T.R. and Singh, B.M. (1997). High-frequency in vitro multiplication of disease-free Zingiber officinale Rosc. Plant Cell Reports 17: 68-72.

Shioda, M. and K. Marakami-Muofushi (1987)Selective inhibition of DNA polymerase by a polysaccharides purified from slime of *Phsarum polychepalum*. Biochem. Biophys. Research Commun. 146:61-66

Shu, Q.Y., Liu, G.S., Qi, D.M., Chu, C.C., Liu, J., (2003) An effective method for axillary bud culture and RAPD analysis of cloned plants in tetraploid black locust. *Plant Cell Rep.* 22: 175-180

Singleton, P. and Sainsbury, D. 1981. Introduction to Bacteria. John Wiley and Sons, m.s. 89-101.

Sinnapah, N.D. (1994). Molecular taxonomic studies of selected *Gracilaria* species (Rhodophyta). M. Biotech Thesis. University of Malaya, Kuala Lumpur, Malaysia.

Sirat, H.M., 1994. study on the terpenoids of Zingiber ottensi. Planta Medica 60, 497

Sirat, H.M., Liamen, M.R., 1995. Chemical constituents of *Alpinia purpurata*. Pertanika Journal of Science and Technology **3**, 67-71

Sirat, H.M., Nordin, A.B., 1994. Essential oil of Zingiber ottensi valeton. Journal of Essential Oil Research 6, 635-636

Sirat, H.M., Nordin, A.B., 1995. Chemical composition of the rhizome oil of *Alpinia conchigera* Griff from Malaysia. *Phytochemistry* 3, 699-701

Sirat, H.M., Rahman, A.A., Itokawa, H., Morita, H., 1996. Constituents of the rhizome of two *Alpinia* species of Malaysia. *Planta Medica* 62, 188-189

Siti Nurdijati, B., Sulaiman, S. F., and Chan, L. K. (2000) Chemical variation in Alpinia galanga (L.) Wild. And A. conchigera Griff. From Malaysia. Proceedings of The Third Regional IMT-GT Uninet Conference Land Development and Sustainable Bio Resources. 10-12 October. Medan

Skoog, F. dan Miller, C. O. (1957). Chemical regulation of growth and organ formation in plant tissue cultured *in vitro*. *Symp. Soc. Exp. Biol.* 11: 118-130

Smith, D. L., (1968). The growth of shoot apices and inflorescenes of *Carex flaca* Schreb. In aseptic culture. *Ann. Bot.* 32: 361-370.

Smith, J. J., Scott-Craig, J. S., Leadbetter, J. R., Bush, G. L., Robert, D. L., and Fulbright, D. W. (1994) Characterization of random amplified polymorphic DNA (RAPD) products from *Xanthomonas campestris* and some comments on the use of RAPD products in phylogenetic analysis. *Mol. Phylogen. Evol. 3*: 135-145.

Smith, M.K. and Hamil, S.D. (1996). Field evaluation of micropropagated ginger in subtropical Queensland. *Aust. J. Expt. Agric.* **36**: 347-354.

Sopher, E.D. (1964). Indigenous Uses of Turmeric (Curcuma domestica) in Asia and Oceania. Anthropos, 59.

Sulaiman, S.F., Baharuddin, S.N., Tengku Muhammad, T.S., Kasim, K.H. and Theng, C.S. (2000). Genetic variation in the *Alpinia* species (Zingiberaceae) based on RAPD-PCR. *Proceeding of the 3rd National Biotechnology Seminar*:556-559.

Surawit Wannakrairoj (1997) Clonal Micropropagation of Patumma (Curcuma alismatifolia Gagnep) In: Kasetsart J. (Nat. Sci.) 31: 353-356

Sutter, E. dan Langhans, R.W. (1982). Formation of epicuticular wax and its effect on water loss in cabbage plants regenerated from shoot-tip culture. Can. J. Bot. 60: 2896-2902

S. Riswan dan Sangat-Roemantyo H. (1990). Javanese traditional cosmetic from plants. Herbarium Bogoriense, Balitbang Botani, Puslitbang Biologi. P 73

Taniguchi, M. and Kubo, I. (1993). Ethnobotanical drug discovery based on medicine men's trials in the African plants for antimicrobial activity II. *Journal of Natural Products* 56, 1539-1546.

Taylor, R.S., Manandhar, N.P., Towers, G.H.N (1995). Screening of selected medicinal plants of Nepal for antimicrobial activities. *Journal of Ethnopharmacology* 46: 153-159

Teo, C.K.H. (1992). Pengenalan Teknologi Kultur Tisu Tumbuhan. Penerbit USM, Pulau Pinang: 3-12.

Thorpe, R. S., McGregor, D. P., Cumming, A. M., and Jordan, W. C. (1994) DNA evaluation and colonization sequence of island lizards in relation to geological history: MtDNA RFLP, cytochrome B, cytochrome oxidase, 12S rRNA sequence and nuclear RAPD analysis. *Evolution* 48: 230-240

Thorpe, T.A. (1993). *In vitro* organogenesis and somatic embryogenesis: Physiological and biochemical aspects. In: *Morphogenesis in Plants*. Roubelakis-Angelakis, K.A. and Tram Thanh Van, K. (eds.), Plenum Press, New York: 19-38.

Tingey SV and del Tufo JP (1993) Plant Physiol 101:349-352.

Torrey (1956). In:http://scidiv.bcc.ctc.edu/ rkr/biology203/ lectures/Hormones/ PlantHormones.html.

Upadhayay, R., Arumugam, N. and Bhojwani, S.S. (1989). *In vitro* propagation of *Picrorhiza kurroa* Royle Ex. Benth.: An endangered species of medicinal importance. *Phytomorphology* **39** (2,3): 235-242.

Valeton, T. (1918). New notes on the Zingiberaceae of Java and Malaya. *Bull. Jard. Bot. Buitenz.* 27: 1-176.

Van Belkum A, Kluytmans J, Van Leeuwen, W, Bax R, Quint W, Peters E, Fluit A,

Van Heusden, A. W., and Bachmann, K. (1992) Genotype relationships in *Microseris* elegans (Asteraceae, Lactuceae) revealed by DNA amplification from arbitrary primers (RAPDs), Pl. Syst. Evol. 179: 221-233

Van Oppen, M. J. H., Diekmann, O. E., Wiencke, C., Stam, W., T., and Olsen, J. L. (1994) Tracking dispersal routes: phylogeography of the Arctic-Antarctic disjunct seaweed *Acrosiphonia arcta* (Chlorophyta). *J. Phycol.* **30**: 67-80.

VanCouwenberghe CJ, Cohen SH, Tang YJ, Gumerlock PH and Silva J Jr. (1995) J Clin Microbiol 33: 1289-1291

Vanderbroucke-Grauls C, van den Brule A, Koeleman H, et al (1995) J Clin Microbiol 33: 1537-1547

Vasil, J.K., 1987. Developing cell and tissue culture systems for the improvement of cereal and grass crops. *J. Plant Physiol.* 128, 193-218.

Vazquez, A., Vero, S. and Zunino, L. (1995) Screening of Uruguayan medicinal plants for antimicrobial activity. *Journal of Ethnopharmacology* 45: 67-70

Vijaya. K., Ananthan. S., Nalini. R., 1995. Antibacteria effect of theaflavin. Polyphenon 60 (Camellia sinenses) and Euphorbia hirta on shigella spp., a cell culture study. Journal of Ethnopharmacology 49: 115-118

Vincent, K.A., Mathew, K.M. and Hariharan, M. (1992). Micropropagation of Kaempferia galanga L. – a medicinal plant. Plant Cell, Tissue and Organ Culture 28: 229-230.

Vlietinck, A.J., Vanden Berghe, D. A. and Laekeman, G. M. (1991). Chemotherapeutic and pharmalogical screening of biologically active plants. In: Zakaria, M. and Hadi, A. H. A. (eds.). The Bioassay Manual of Natural Products. The 8th National Seminar and UNESCO Regional Workshop on the Bioassay of Natural Products with Special Emphasis on Anticancer Agents (October 21-24, 1991). University of Malaya, Kuala Lumpur, Malaysia. Pp. 1-27

Vlietinck. A.J., Van Hoof, L., Totte, J., Lasure, A., Vanden Berge, D., Rwangabo, P.C. and Mvukiyumwami, J. (1995). Screening of a hundred Rwandese medicinal plants for anti-microbial and antiviral properties. *Journal of Ethnopharmacology* **46**, 31-47.

Waara, S. Wallin, A., and Eriksson, T. (1991) Production and analysis of intraspesific somatic hybrids of potato (*Solanum tuberosum* L.) *Plant Science* 75: 107-115.

Wang H (1989) In vitro clonal propagation of ginger sprouts. Acta Bot Yunnanica 11: 231-233

Wang, P. J., (1976). Economic applications of plant tissue culture in Taiwan. *In vitro* 12, 4, 311.

Wareing, P. F. and Philips, I. D. J. (1978). *The Control of Growth and Differentiation in Plants*. Third Edition. Pergamon Press. Pp. 199-227.

Waugh R and Powell W (1992) Trends Biotechnol 10:186-191.

Welsh J., and McClelland M (1990). Nucleic Acid Res 18: 7213-7218

Welsh, J., Honeycutt, R. J., McClelland, M., and Sobral, B. W. S. (1991) Parentage determination in maize hybrids using the arbitrarily primed polymerase chain reaction (AP-PCR). *Theor. Appl. Genet.* 82: 473-476.

Wetzstein, H.Y. dan Sommer, H.E. (1982). Leaf anatomy of tissue cultured *Liquidambar styraciflua* (Hamamelidaceae) during acclimatization. *Amer. J. Bot.* **69** (10): 1579-1586

Widle, J., Waugh, R. and Powell, W. (1992) Genetic fingerprinting of *Theobroma* clones using randomly amplified polymorphic DNA markers. *Theor. Appl. Genet.* 83: 871-877

Wilkie, S.E., Isaac, P.G. and Slater, R.J. (1993). Random amplified polymorphic DNA (RAPD) markers for genetic analysis in Allium. Theo. Appl. Genet. 86:497-504

Williams JGK, Kubelik AR, Livak KJ, Rafalski JA and Tingey SV (1990) Nucleic Acids Res 18:6531-6535.

Williams JGK, Rafalski JA and Tingey SV (1993) In: Wu R (ed), Methods in Enzimology. Academic Press, Orlando, FL., vol 218. pp. 704-740.

Williams, V.L. (1996). The witwatersrand muti trade. Veld and flora 82-14.

Wolff, K., Schoen, E.D. and Peters-van Rijn, J. (1993). Optimizing the generation of random amplified polymorphic DNAs in Chrysanthemum. *Theor. Appl. Genet.* **86**: 1033-1037

Yao J. D., Conly, J. M., and Krajden, M. (1995) J Clin Microbiol 33: 2195-2198

Yu, K and Pauls, K.P. (1992). Optimisation of the PCR program for RAPD analysis. *Nucleic Acids Research* **20**(10):2606

Ziv, M. (1986). *In vitro* hardening and acclimatization of tissue culture plants. **In**: Plants tissue culture and its agricultural applications. (eds. Withers, L.A. dan Alderson, P.G.). Butterworths, London. pp. 187-196