

DAFTAR PUSTAKA

- Adjaloo M. K1 and W. Oduro. 2013. Insect assemblage and the pollination system of cocoa (*Theobroma cacao* L). *J. Applied Bioscience*, 62, 4582–4594.
- Aneja, M., T. Gianfagma, E. Ng, and I. Badilla. 1992. Carbon Dioxide and Temperature Influence Pollen Germination and Fruit Set in Cocoa. *Hort Science*, 27 : 1038-1040.
- Aneja, M., T. Gianfagna, dan E. Ng. 1999. The roles of abscisic acid and ethylene in the abscission and senescence of cocoa flower. *Plant Growth Regulation* 27: 149-155.
- Anonim. 2006. Buku Panduan Pemakaian Chroma Meter Measuring Head. Konica Minolta.
- Anonim. 2010a. Buku Panduan Teknis Budidaya Tanaman Kakao (*Theobroma cacao* L.). Direktorat Jenderal Perkebunan. Kementerian Pertanian. Jakarta.
- Anonim. 2010b. Buku Pintar Budidaya Kakao. Pusat Penelitian Kopi dan Kakao Indonesia. Agromedia Pustaka. Jakarta.
- Anonim. 2016. Volume of an Ellipsoid. http://www.web-formulas.com/Math_Formulas/Geometry_Volume_of_Ellipsoid.aspx. Diakses pada tanggal 5 Maret 2016.
- Azhar, I. 1990. Cocoa Pollination and Approaches to Enhance Pollination in Malaysia. MARDI Report No 138. Pp 1-9.
- Bhattacharjee, R. and P. L. Kumar. 2007. Cacao. Genome Mapping and Molecular Breeding in Plant Vol : 6 Technical Crops. Springer-Verlag Berlin Heidelberg. Germany.
- Bhojwani, S.S. and S.P. Bhatnagar. 1998. The Embryology of Angiospermae 4th ed. Vikas Publishing House PVT LTD Delhi.
- Brewbaker, J.L. 1957. Pollen Cytology and Self Incompatibility System in Plant. *The Journal of Heredity*, 48 : 271-277.
- Cope, F.W. 1939. Studies in the mechanism of self-incompatibility in cacao I. eighth Annual Report of Cocoa Research, Trinidad, pp 19-23

- Cope, F. W. 1962. The Mechanism of Pollen Incompatibility in *T. cacao*. *Heredity*, 17 : 157-182.
- Darjanto dan S. Satifah. 1990. Pengetahuan Dasar Biologi Bunga dan Teknik Penyerbukan Silang Buatan. Gramedia. Jakarta. Hal 156.
- Direktorat Jenderal Perkebunan. 2016. Statistik Kakao. Departemen Pertanian. Jakarta.
- Doherty, D.C.O., J.K.Z. Janna. 2012. *Forcipomyia hardyi* (Diptera : Ceratoponidae), a Potential Pollinator of Cacao (*Theobroma cacao*) Flowers in Hawaii. *Proceedings of The Hawaiian Entomological Society*, 44 : 79-81
- Erdtman, G., 1952. Pollen Morphology and Plant Taxonomy. Angiosperms. *Almqvist and Wiksell*, Stockholm, 539.
- Efombagn, M.I.B, O. Sounigo, A.B. Eskes, J.C. Motamayor, M.J. Manzanares, R. Schell, S. Nyasse. 2009. Parentage Analysis and Outcrossing Pattern in Cacao (*Theobroma cacao* L.) farm in Cameroon. *Heredity*, 103 : 46-53.
- Falque, M., A. Vincent, B. E. Vaissiere, A. B. Eskes. 1995. Effect of Pollination Intensity on Fruit and seed set in cacao (*Theobroma cacao* L.). *Sex. Plant Reprod.* 8 : 354-360.
- Falque, M., C. Lesdalons, A.B. Eskes. 1996. Comparison of Two Cacao (*Theobroma cacao* L.) Clones for The effect of Pollination Intensity on Fruit set dan seed content. *Springer Verlag, Sex. Plant Reprod.* 9 : 221-227.
- Frankle, R. and E. Galun. 1977. *Pollination Mechanism Reproduction and Plant Breeding*. Springer. Verlag. Berlin Heidelberg. New York. 378p.
- Galleta, G. J. 1983. Pollen and seed management. *In* : J.N. Moore and J. Janick (Eds.) *Methods in Fruit Breeding*. Purdue Univ. Press. West Lafayette Ind. p. 23-35
- ICCO. 2015. Production of Cocoa Beans. International Cocoa Organization (ICCO) Quarter Bulletin of Cocoa Statistics Vol : XLI (4).
- Iswanto, A. 1998. Peranan Bahan Tanam Kakao Unggul dan Upaya Pemuliaannya. *Warta Pusat Penelitian Kopi dan Kakao*, 14 (3) : 250-256.

- Kao and Hang. 1994. Gametophytic Self – Incompatibility : A Mechanism for Self/Nonself Discrimination during Sexual during Sexual Reproduction. *Plant Physiol.* 105 : 461-466.
- Kartono. 2005. Persilangan Buatan Pada Empat Varietas Kedelai. *Buletin Teknik Pertanian*, Jakarta.
- Kaufmann, T. 1975. Studies on the Ecology and Biology of Cocoa Pollinator, *Forcipomyia Squamipennis* I. And M. (Diptera: Ceratopogonidae) in Ghana. *Bulletin of Entomological Research* 65 : 263-268.
- Klein, A. M., S.A. Cunningham, M. Bos, and S. Dewenter. 2008. Advantaces in Pollination Ecology from Tropical Plantation Crops. *Ecology* 89 (4) : 925-943.
- Knight, R. dan H.H. Rogers. 1955. Incompatibility in *Theobroma cacao* L. *Heredity*, 9 : 69-77.
- Marufah. 2009. Compatibilitas. <http://blog.uns.ac.id>. Diunduh pada tanggal 17 Februari 2015.
- Omolaja, S.S, P. Aikpokpodion, S. Oyedeji and D.E. Vwioko. 2009. Raifall and Temperature Effects on Flowering and Serbuk sari Production in Cocoa. *African Crop Science Journal*, 17 : 41-48.
- Poespodarsono, Soemardjo. 1988. Dasar – Dasar Ilmu Pemuliaan Tanaman. Bandung: ITB.
- Purseglove, J.W. 1969. *Tropical Crops Dicotyledons 2*. Longman, London.
- Qosim, Walid Ali. 2013. Mekanisme *self incompatibility* Tipe gametofitik dan Sporofitik dan Aplikasinya dalam Pemuliaan Tanaman. *Jurnal Kultivasi*, Vol 12 (1).
- Rahardjo, Puji. 2011. Menghasilkan Benih dan Bibit Kakao Unggul. Penebar Swadaya. Jakarta.
- Royaert S., W.P. Mora, A.M.A. Leal, K. Cariaga, J.S. Brown, D.N. Kuhn, R.J. Schnell, J.C. Motamayor. 2011. Indentification of Marker Trait Associations for Self Compatibility in a Segregating Mapping Population of *Theobroma cacao*L. Springer- Verlag

- Salikhidin, B.S. Purwoko, R. Poerwanto, S. Susanto, S. Yahya, dan A.S. Abidin. 2004. Pola Kerontokan Buah Tiga Kultivar Mangga. *Bul. Agron.* 32 (2) : 1-6.
- Shivanna, K.R. and Sawhney, V.K. 1997. *Pollen Biotechnology for Crop Production and Improvement*, Cambridge UP. Cambridge UK.
- Siregar, T.H.S, S. Riyadi dan L. Nurani. 2010. *Budidaya Cokelat*. Penebar Swadaya, Cimanggis, Depok.
- Suhendi, D., A.W. Susilo dan S. Mawardi. 2000. Kompatibilitas persilangan beberapa klon kakao (*Theobroma cacao* L.). *Pelita Perkebunan*, 16: 85-91.
- Susanto, F.X. 1994. *Tanaman Kakao Budidaya dan Pengolahan Hasil*. Kanisius. Yogyakarta.
- Susilo, W.A. 2006. Kemampuan menyerbuk sendiri beberapa klon kakao (*Theobroma cacao* L.). *Pelita Perkebunan* 22 : 159-167.
- Suwarno, W.B. 2008. *Inkompatibilitas, Sterilitas Jantan dan Poliploidi*. <http://willy.situshijau.co.id>. Di unduh pada 26 November 2014.
- Tjitrosoepomo, G. 1988. *Taksonomi Tumbuhan (Spermathopyta)*. Universitas Gadjah Mada, Yogyakarta.
- Wahyudi, T., T. R. Panggabean, dan Pujiyanto. 2009. *Panduan Lengkap Kakao*. 2nd ed. Penebar Swadaya, Jakarta.
- Welsh, R dan P. Johanis. 1991. *Dasar-Dasar Genetika dan Pemuliaan Tanaman*. Jakarta: Erlangga.
- Young, M.A., M. Schaller, M. Strand. 1984. Floral Nectaries and Trichomes in Relation to Pollination in Some Species of *Theobroma* and *Herrania* (Sterculiaceae). *Amer. J.*, 71(4) : 466-480.
- Zakariyya F., D.C. Rahayu, E. Sulistyowati., A. Prawoto, J.B. Baon. 2015. *Forcipomyia* spp. : Sang Penghulu Bunga Kakao. *Warta. Pusat Penelitian Kopi dan Kakao Indonesia*.