

DAFTAR PUSTAKA

- Abdolrahimi B., Mehdikhani P., Hasanzadeh Gort Tappe A. 2012. The effect of harvest index, yield and yield components of three varieties of black seed (*Nigella sativa*) in different planting densities. International Journal of AgriScience 2(1): 93-101
- Ahmad, Aftab, Asif Husain, Mohd Mujeeb, Shah Alam Khan, Abul Kalam Najmi, Nasir Ali Siddique, Zoheir A., Damanhour, Firoz Anwar. 2013. A review on therapeutic potential of *Nigella sativa*: A miracle herb. Asian Pac J Trop Biomed 3(5): 337-352
- Akagi, H.Y., Yokozeki, A. Inakagi, T. Fujimura. 1996. Mikrosatellite DNA Markers for Rices Chromosomes. Theor. Appl. Genet. 93 : 1071-1077
- Arumingtyas, E. L. 2016. Genetika Mendel : Prinsip Dasar Pemahaman Ilmu Genetika. Malang. UB Press
- Atta, Mohamed Bassim. 2003. Some characteristics of *nigella* (*Nigella sativa* L.) seed cultivated in Egypt and its lipid profile. Journal Food Chemistry 83: 63–68
- Cahyo, S.D., Ani Kurniawati, Didah Nur Faridah, Munif Ghulamah. 2020. Growth, Production and Bioactive Content of Several Black Cumin (*Nigella sativa* L.) Accessions With Different Harvesting Times in a D3 Type Climate Regime. Journal of Tropical Crop Science 7(3) : 110-118
- Celina, M., P A Miranda, I Rachma, Salamah, A. 2020. Chromosome analysis of *Hibiscus rosa-sinensis* using CHIAS IV software. IOP Conf. Series: Earth and Environmental Science 524
- Chen, Lei, Dan Su, Jianying Sun, Zongyun Li, Yonghua Han. 2020. Development of a set of chromosome-specific oligonucleotide markers and karyotype analysis in the Japanese morning glory *Ipomoea nil*. Scientia Horticulturae 273 : 109633
- Chowdhury, M. R., Anchal Singh, Sudhisha Dubey. 2020. Role of cytogenetics and molecular genetics in human health and medicine. Animal Biotechnology 481-501
- Ghosh, Anindita, Animesh K. Datta. 2006. Karyotyping of *Nigella sativa* L. (Black Cumin) and *Nigella damascena* L. (Love-in-a-mist) by Image Analyzing System. Journal Cytologia 71(1): 1–4
- Herlina, Sandra Arifin Aziz, Ani Kurniawati, Didah Nur Faridah. 2016. Pertumbuhan dan Produksi Habbatussauda (*Nigella sativa* L.) di Tiga Ketinggian di Indonesia. J. Agron. Indonesia 45(3) : 323-330

- Hutapea, J.R. 1994. Inventaris Tanaman Obat Indonesia Jilid III. Departemen Kesehatan Republik Indonesia. Jakarta.
- Jabeen, Rukhsana, T. Iftikhar, Tahira Mengal, Manzoor Iqbal Khattak. 2012. A Comparative Chromosomal Count And Morphological Karyotyping Of Three Indigenous Cultivars Of Kalongi (*Nigella Sativa* L.). Pakistan Journal of Botany 44(3): 1007-1012
- Jackson, M., Leah Marks, Gerhard H.W. M., and Joanna B. Wilson, 2018. Review Article The genetic basis of disease. Essays in Biochemistry 62: 643–723
- Jin, Zhen, Bo Sun, Jiacheng Huang Liqiang Tan, Qian Tang. 2019. Comparative Analysis of Chromosome Karyotype of Three Varieties of the Characteristic Tea plants. IOP Conf. Series: Earth and Environmental Science 358 022088
- Kato, Seiji, Nobuko Ohmido, Masaki Hara, Ryouhei Kataoka, and Kiichi Fukui. 2009. Regular Article Image Analysis of Small Plant Chromosomes by Using Improved System, CHIAS IV. Chromosome Science 12: 43-50
- Levant, A., Fredga, K., Sandberg, A. A. 1964. Nomenclature for centromeric position on chromosomes. Hereditas 52: 201–220.
- Mardisiwi, Ririh S., Ani Kurniawati, Eko Sulistyono, dan D. N. Faridah. 2018. Pertumbuhan dan Produksi Jintan Hitam pada Beberapa Komposisi Media Tanam dan Interval Penyiraman. J. Agron. Indonesia 46(1):89-94
- Mariod, A. A., Saeed Mirghani, M. E., & Hussein, I. 2017. *Nigella sativa* L. Black Cumin. Unconventional Oilseeds and Oil Sources, 73–80.
- Mirzaghaderi, Ghader, Karim Marzangi. 2015. IdeoKar: an ideogram constructing and karyotype analyzing software. International Journal of Cytology, Cytosystematics and Cytogenetics 68(1): 31–35
- Parjanto, S. Moeljopawiro, W.T. Artama dan A. Purwantoro. 2003. Kariotipe Kromosom Salak. Zuriat. 14(2): 21-28
- Paszko, B. 2006. B. A critical review and a new proposal of karyotype asymmetry indices. Plant Systematic and Evolution 258:39–48
- Peruzzi L, Leitch IJ, Caparelli KF. 2009. Chromosome diversity and evolution in Liliaceae. Ann Bot. 103(3):459–475
- Putra, G. Utama, Aziz Djamal, Machdawaty Masri. 2015. Uji Efek Antibakteri Minyak Jintan Hitam (*Nigella Sativa*) Dalam Kapsul yang Dijual Bebas Selama

- Tahun 2012 di Kota Padang Terhadap Bakteri *Staphylococcus aureus* dan *Escherichia coli* Secara In Vitro. *Jurnal Kesehatan Andalas* 4(2): 387-391
- Ramesh, A. 2015. Karyotypic analysis in three species of *Allium* and their some Varieties. *International Research Journal of Biological Sciences* 4(9): 1-9
- Setyawan, A. D., Sutikno. 2000. Karyotipe Kromosom pada *Allium sativum* L. (Bawang Putih) dan *Pisum sativum* L. (Kacang Kapri). *BioSMART* 2(1): 20 - 27
- Shaker, Sahar Sajedi, Abdollah Mohammadi, M. Khosro Shahli. 2017. Cytological Studies on Some Ecotypes of *Nigella sativa* L. in Iran. *Journal Cytologia* 82(2): 123-126
- Sharma A.K. and Gosh, C. 1954. Further investigation on the cytology of the family Amaryllidaceae and its bearing on the interpretation of its phylogeny. *Genet. Iber.* 6: 71 – 100.
- Siljak-Yakovlev, S., L. Peruzzi. 2012. Cytogenetic characterization of endemics: past and future. *Plant Biosystems* 146(3): 694-702
- Srinivasan, Krishnapura. 2018. Cumin (*Cuminum cyminum*) and black cumin (*Nigella sativa*) seeds: traditional uses, chemical constituents, and nutraceutical effects. *Food Quality and Safety* 0(0): 1-16
- Stace, C.A., 2000. Cytology and cytogenetics as a fundamental taxonomic resource for the 20th and 21st centuries. *Taxon* 49, 451-477.
- Stebbins G. J. 1971. *Chromosomal Evolution in Higher Plants*. Edward Arnold; London
- Sultana, Sabira, Hafiz Muhammad Asif, Naheed Akhtar, Asif Iqbal, Haleema Nazar, Riaz Ur Rehman. 2015. *Nigella sativa*: Monograph. *Journal of Pharmacognosy and Phytochemistry* 4(4): 103-106
- Suprihati, D, Elimasni, E. Sabri. 2007. Identifikasi karyotipe terung belanda (*Solanum betaceum* Cav.) kultivar Brastagi Sumatera Utara. *Jurnal Biologi Sumatera Utara* 2 (1): 7 – 11.
- Suryadi, Rudi. 2016. Adaptasi Jintan Hitam (*Nigella sativa*) di Dataran Tinggi Jawa Barat. *Warta Penelitian dan Pengembangan Tanaman Industri* 22(3): 13-16
- Suryo. 2017. *Genetika Untuk Strata 1*. Gadjah Mada University Press, Yogyakarta
- Suryo. 2007. *Sitogenetika*. Gadjah Mada University Press, Yogyakarta



Zacro, C.R. 1986. A new method for estimating karyotype asymmetry. *Taxon* 35: 526 – 530.

Zafar K, Noorul H, Nesar A, Vartika S, Khalid M, Prashant S, Zeeshan A, Zohrameena S. 2016. Pharmacological Activity of *Nigella Sativa*: A Review. *World Journal of Pharmaceutical Sciences* 4(5): 234-241