

In the alleles segregation pattern are known that rice plants have one or two genes controlling plant height properties. Allele from each group are in their different chromosomal loci. It is evident that the semi-dwarf mutants are caused by one or more mutated dominant alleles in the properties control group in the direction of recessive.

REFERENCES

- [1] Riyanto, S. dan F. Faza. Beras Hitam si Lumbung Antioksidan. Tabloid Agribisnis Dwimingguan Agrina. Jakarta, 2008.
- [2] Kristantini, Mengenal Beras Hitam dari Bantul. Tabloid Sinar Tani Tanggal 13 Mei 2009.
- [3] Hartana, A. Genetika Tumbuhan. PAU Ilmu Hayat, IPB. Bogor, 1992.
- [4] Suzuki, D.T., A.J.F. Griffiths, J.H. Miller, and R.C. Lewontin. An Introduction to Genetic Analysis. W.H. Freeman and Co. New York, 1993.
- [5] Ismachin, M. Pemuliaan Tanaman dengan Mutasi Buatan. Pusat Aplikasi Isotop dan Radiasi BATAN. Jakarta. Tidak Dipublikasikan, 1988
- [6] Mugiono, I. Dwimahyani, dan Haryanto. Pemanfaatan Teknik Nuklir pada Tanaman Padi. Pusat Aplikasi Teknologi Isotop dan Radiasi. Badan Tenaga Nuklir Nasional, 2006.
- [7] Harten, A.M.van. Mutation breeding; Theory and practical application. Cambridge university Press, 1998.
- [8] Ismachin, M. Perkembangan pemuliaan mutasi di Indonesia. Diklat Pemuliaan Mutasi. FPAI BATAN. Jakarta, 2007.
- [9] Maluszinsky, M., B.S. Ahloowalia, B. Sigurbjornsson. 1995. Application of in vivo and in vitro mutation techniques for crop improvement. Euphytica Vol. 85 (303)
- [10] Gustafson A, Ekberg. Type of Mutation in Manual on Mutation Breeding, Technical Report Series. No. 119 IAEA, Vienna, 1979
- [11] Zhu, X.D., H.Q.Chen and J.X. Shan. Nuclear techniques for rice improvement and mutant induction in China National Rice Institute. Plant Mutation Report. 1:7-10, 2006.
- [12] Yamaguchi, H., T. Morishita, K. Degi, A. Tanaka, N. Shikazono, and Y. Hase. 2006. Effect of carbon-ion beams irradiation on mutation induction in rice. Plant Mutation Report. 1:25-27
- [13] Sobrizal. 2007. Seleksi mutan genjah pada populasi M2 tanaman padi varietas Kuriak Kusuik dan Randah Tinggi Putih. Jurnal Agrotropika Vol.1 No. 1
- [14] Alfi, H., I. Suliansyah, E. Swasti dan Sobrizal, Seleksi mutan genjah pada populasi M2 Padi Lokal Sumatera Barat. Prosiding Seminar Nasional PERIPI KOMDA SUMBAR, 9 Desember 2011. Padang. ISBN 9786021800607, 2011.
- [15] Thilagavathi C, Mullainathan L.. Influence of physical and chemical mutagens on quantitative characters of Vigna mungo (L. Hepper). International Multidisciplinary Research Journal 1 (1) : 6-8, 2011.
- [16] Sobrizal. Pemuliaan mutasi dalam peningkatan manfaat galur-galur terseleksi asal persilangan antar sub-spesies padi. Jurnal Ilmiah Aplikasi Isotop dan Radiasi Vol. 4, No. 1. .Batana. Jakarta, 2008.