

เอกสารอ้างอิง

กฤษณา สัมพันธ์ภักดี. 2522. ปรับปรุงพันธุ์พืช. ภาควิชาพืชไร่ฯ คณะเกษตร
มหาวิทยาลัยเกษตรศาสตร์.

กิติกาญจน์ พิษณุกุล. 2532. ทางค่าวนในการปรับปรุงข้าวสายพันธุ์บริสุทธิ์. รายงาน
การสัมมนาวิชาการเทคโนโลยีการผลิตพืช. 12-13 มกราคม 2532. ณ
โรงแรมเทพนคร พิษณุโลก หน้า 146-149.

ดารงค์ จิรสุทัศน์ และสุรพล อุบติสกุล. 2527. การศึกษาพันธุกรรมลักษณะความต้านทาน
โรคราแป้งในถั่วเขียว. วิทย. เกษตร. 17:97-104.

ไพบูล เหล่าสุวรรณ. 2527. หลักการปรับปรุงพันธุ์พืช. พิมพ์ครั้งที่ 4 โรงพยาบาลไทยฯ
หาดใหญ่ จ.สงขลา.

ศันสนีย์ จำกัด. 2531. การตอบสนองของพันธุกรรมข้าวสารลีท่อสู่สภาพอากาศร้อน. วิทยา-
นิพนธ์วิทยาศาสตร์มหาบัณฑิต (เกษตรศาสตร์) สาขาวิชาพืชไร่ คณะเกษตร-
ศาสตร์ มหาวิทยาลัยเชียงใหม่.

สมคิด วิริกุล และปรีชา ขัมพานย์. 2527. การเพาะเลี้ยงอับลักษณะเกษตรของข้าว.
รายงานการสัมมนาทางวิชาการ เรื่อง เทคโนโลยีทางชีวภาพ : บัจจุบัน
และอนาคต. 15-16 พฤษภาคม 2527. ณ ห้องประชุมกรมวิชาการเกษตร
บางเขน กรุงเทพมหานคร. หน้า 52-56.

อุดม นาพาณิช และอรคี สหวัชรินทร์. 2523. การเพาะเลี้ยงอับล雾องเกษตรของข้าว.
วิทยาศาสตร์การเกษตร ปีที่ 14 ฉบับที่ 2 หน้า 17-28.

- Abe, T. and T. Sasahara. 1982. Variation in Callus Formation from Seeds in Japonica, Indica, Their Hybrids, and Large Grain Varieties in Rice. Japanese Journal of Breeding. 32(1):53-60.
- Acharya, S. and K.D. Sharma. 1983. Genetic of Cold Tolerance at Rice Reproductive Stage. Inter. Rice Research Newsletter. 8(8):10-11.
- Adams, M.W. and R. Duarte. 1961. The Nature of Heterosis for a Complex Trait in a Field Bean Cross. Crop Sci. 1:380.
- Allard, R.W. 1960. Principle of Plant Breeding. John Wiley and Son Inc. New York-London.
- Amaya, A.A., R.H. Busch and K.L. Lebsack. 1972. Estimates of Genetic Effects of Heading Date, Plant Height and Grain Yield in Durum Wheat. Crop Sci. 12:478-481.

Amirthadevaratinam, A. 1984. Combining Ability and Heterosis in Dry and Semi-Dry Paddy. Plant Breeding Abstracts. 54(7):502.

Bajaj, Y.P.S. and M. Binadi. 1980. Differentiation of Genetically Variable Plant from Embryo-Derived Callus Culture of Rice. Phytomorphology. 30:290-299.

Balan, G.T. and T.T. Mynabaev. 1988. Heterosis in Maize hybrids and Population of Induced Origin. Plant Breeding Abstracts. 58(10):927.

Bhuiyan, S.R., M.A. Newaz and M.N.I. Faradi. 1988. Heterosis for Fruit yield, Ascorbic Acid and Other Plant Characters in Tomato. Plant Breeding Abstracts. 58(9):875.

Blum, A. 1977. Basis of Heterosis in the Different Sorghum Panicle. Crop Sci. 17:880-882.

Briggle, G.M. 1963. Heterosis in Wheat. Crop Sci. 3:407-412.

Chand, K. and A.S. Randhawa. 1984. Combining Ability and Heterosis in Wheat. Plant Breeding Abstracts. 54(1):4.

Chang, J.Y. and Q.H. Zhao. 1982. Callus Induction and Plantlet Regeneration from Leaf Blade of *Oryza sativa L.* Indica. Science Letters. 25:187-192.

Chang, T.T., C.C. Li and O. Tangumpa. 1973. Genotypic Correlation, Heterosis, Inbreeding Depression and Trangressive Segregation of Agronomic Triats in Diallel Cross of Rice (*Oryza sativa L.*) Cultivars. Bot. Bull. Academic Sinica. 14:83-93.

Chen, J.J., L.J. Chen and H.S. Tsay. 1985. Relationships between Time of Callus Initiation, Callus Age and Regenerative Ability in Rice Anther Culture. Plant Breeding Abstracts. 55(3):191.

Chen, J.W. 1982. Studies on Techniques for Rice Plantlet Regeneration by Tissue Culture. Field Crop Abstracts. 34(5):389.

Chen, J.W. 1983. Studies on Factors Affecting Plant Regeneration in Rice Tissue Culture. Plant Breeding Abstracts 53(7):516.

- Chou, C., T.C. Yu., C.Y. Chang and C.C. Chang. 1982. An Investigation on Callus Induction Hormones in Rice Anther Culture. *Field Crop Abstracts.* 35(2):198.
- Cornejo, M.M.J. and M.E. Primo. 1985. Organogenesis in Diploid and Haploid Cell Cultures of Rice. *Plant Breeding Abstracts.* 55(4):276.
- Cregan, P.B. and R.H. Busch. 1978. Heterosis, Inbreeding and Line Performance in Cross of Adapted Spring Wheat. *Crop Sci.* 18:247-251.
- Davoyan, E.I. 1984. Introduction of Callus and Plant Differentiation from Rice Endosperm. *Plant Breeding Abstracts.* 54(7):503.
- Fonseca, S. and F.L. Patterson. 1968. Hybrid Vigor in a Seven-Parent Diallel Cross in Common Winter Wheat. *Crop Sci.* 8:85-88.
- Fukui, K. 1983. Sequential Occurrence of Mutations of Growing Rice Callus. *Theoretical and Applied Genetics* 65(3):225-230.

Ghorai, D.P. and K. Pande. 1982. Inheritance of Yield and Yield Components and Their Association in a Rice Cross AC 1063 x AC 27. *Oryza*. 19(3/4):185-187.

Griffing, B. 1956. Concept of General and Specific Combining Ability in Relation to Diallel Crossing System. *Aust. J. Bio. Sci.* 9:463-493.

Gritton, E.T. 1975. Heterosis and Combining Ability in a Diallel Cross of Peas. *Crop Sci.* 15:453-457.

Guzman, E.V. De. 1983. Recent Progress in Rice Embryo Culture a IRRI. Cell Tissue Culture Techniques for Cereal Crop Improvement: 215-228.

Gyawali, K.K., C.O. Qualset and W.T. Yamazaki. 1968. Estimates of Heterosis and Combining Ability in Winter Wheat. *Crop Sci.* 8:322-324.

Hayes, H.K. and F.R. Immer. 1942. Methods of Plant Breeding. Mc GrawHill Book Comp, Inc. New York.

- Hahn, W.S. and Y.A. Chae. 1988. Estimating Genetic Parameters and Efficiency Analysis of the Crossing Among Single, Double, Three Way and Back Cross in Rice (Oryza sativa L.) Breeding. *Plant Breeding Abstracts.* 58(10):738.
- Henke, R.R., M.A. Mansur, and M.J. Constantin. 1978. Organogenesis and Plantlet Formation from Organ and Seedling-Derived Callus of Rice (Oryza sativa L.). *Physiol. Plantarum.* 44:11-14.
- Heyser, J.W., T.A. Dykes., K.J. Demott, and M.W. Nabor. 1983. High Frequency, Long Term Regeneration of Rice from Callus Culture. *Plant Science Letters.* 29(2/3):175-182.
- Hsu, T.H., G.S. Huang., Y.C. Teng and S.H. Chiu. 1972. Studies on Heterosis in Rice. II. Studies on Suitability of F₁ Intervarietal Rice Hybrid and Different Cultural Condition. *Plant Breeding Abstracts.* 42(12):936.
- Inoue, M. and E. Maeda. 1980. Thiamine as A Factor of Organ Formation in Rice Callus Cultures. *Japanese Journal of Crop Science.* 49(1):1-7.

IRRI. 1982. The Application of Tissue Culture Techniques to Rice Improvement. Rice Tissue Culture Planning Conference: 113-114.

Jenning, P.R. 1967. Rice Heterosis at Different Growth Stages in Tropical Environment. Inter. Rice Comm. Newsletters. 16(2):24-26.

Jin, I.D. and J. Inooye. 1982. Relationship between Grain Shedding and Pedicel Morphology near the Abscission Layer in Japonica-Indica Bred in Korea. Japanese Journal of Crop Science. 51(3):271-275.

Johansson, I. and J. Rendel. 1966. Breeding Method. Genetics and Animal Breeding. 362-386.

Kassuma, S. 1985. Evaluating Cross Bred Dairy Cattle of Reproduction and Production Traits and Their Genetic Potential in Thailand. Ph.D. Iowa State University. 182 pp.

Kawata, S.I. and M. Soejima. 1980. Appearance of "Lion-Tail-Like" Root Rice Plants in Vitro. Japanese Journal of Crop Science. 49(4):582-586.

Kozhanova, T.N. 1988. Small-Fruited Cucumber Hybrids with Potential for Plastic Greenhouses in the Nonchernozem Zone of The RSFSR. Plant Breeding Abstracts. 58(9):872.

Kronstad, W.E. and W.H. Foote. 1964. General and Specific Combing Ability Estimates in Winter Wheat (Triticum aestivum. L.). Crop Sci. 4:616-619.

Kucherenko, L.A. and G.G. Mamaeva. 1982. Callus Formation and Organogenesis in Tissue Culture of Different Rice Cultivars. Field Crop Abstracts. 34(10):738.

Kumar, I. and S.S. Saini. 1984. Intervarietal Heterosis in Rice. Plant Breeding Abstracts. 54(4/5):294.

Kunta, T. 1985. Genetic Studies of Agronomic Characters in Soybeans (Glycine max (L.) Merr.) (Hybrid, Diallel Crosses, Heterosis, Associations, Combining Ability). Ph.D. Oklahoma State University. 99 pp.

Lai, K.L. and C.R. Hou. 1984. Root Physiology of Japonica and Indica Rices (Oryza sativa L.). I. Growth Features of Excised Root and Embryo Cultures. Plant Breeding Abstracts. 54(10):742.

Lai, K.L. and L.F. Liu. 1982. Induction and Plant Regeneration of Callus from Immature Embryos of Rice Plants (Oryza sativa L.). Japanese Journal of Crop Science. 51(1): 70-74.

Laosuwan, P. and R.E. Atkins. 1977. Estimates of Combining Ability and Heterosis in Converted Exotic Sorghum. Crop Sci. 17:47-50.

Leffel, R.C. and W.D. Hanson. 1961. Early Generation Testing of Diallel Crosses of Soybean. Crop Sci. 1:169-175.

Lin, S.C. and L.P. Yuan. 1980. Hybrid Rice Breeding in China. Innovative Aproaches to Rice Breeding. pp. 33-54.

Lin, Z.L. and C. Zhou. 1984. Investigation of Ploidy and Other Characters of Gynogenetic Plants in Oryza sativa L. Acta Genetica Sinica. 11(2):113-119.

Linsmaier, E.M., and F. Skoog. 1965. Organic Growth Factor Requirements of Tobacco Tissue Cultures. Physiol. Plant. 18:100-127.

Mak, C. and T.C. Yap. 1977. Heterosis and Combing Ability of Seed Protein Yield and Yield Components in Longbean. *Crop Sci.* 17:339-341.

Marshall, T.T. 1986. Heterosis and Additive Breed Effects on Feedlot and Carcass Traits from Crossing Angus and Brown Swiss (Cattle, Cross breeding, Dairy Beef). Ph.D. University of Florida. 55 pp.

Naughton, I.H. and I.K. Munro. 1972. Heterosis and Its Possible Exploitation in Swedes (*Brassica napus L. ssp. rupifera*). *Euphytica.* 21:518-522.

Nishi, T., Y. Yamada and E. Takahashi. 1968. Organ Redifferentiation and Plant Restoration in rice Callus. *Nature.* 219(3):508-509.

Ono, K. and F. Takaiwa. 1985. Genetic Analysis of Homozygous Mutation in Regenerated Rice Plant. *Plant Breeding Abstracts.* 55(1):38.

Oono, K. 1985. Putative Homozygous Mutations in Regenerated Plant of Rice Plant Breeding Abstracts. 55(8):672.

Panwar, D.V.S., R.S. Paroa and A. Singh. 1983. Heterosis in Rice. Indian Journal of Genetics & Plant Breeding. 43(3): 363-368.

Petpisit, V. 1980. Progeny Tests for Predicting Grain Yield and Selected Trails in Single, Three-way, and Double Crosses in Wheat. (Triticum aestivum L. em. Thell.) Ph.D. Thesis, Oregon State University.

Peterson, C.J., W.E. Kronstad and O.A. Vogel. 1969. Maximizing Heterosis in Winterwheat. Agronomy Abstracts. p. 15.

Ram, N.V.R. and M.W. Nabors. 1984. Cytokinin Mediated Long-Term, High-Frequency Plant Regeneration in Rice Tissue Culture. Plant Breeding Abstracts. 54(4/5):296.

Rinkle, E.H. and H.K. Hayes. 1964. General and Specific Combining Ability in Diallel Cross of 15 Inbreds of Corn. Bot. Bull. Acad. Sinica. 5:36-41.

Rui, C.Q. and A.C. Zhao. 1984. Genetic Analysis of F₁ Grain Weight and Shape in Diallel Cross of Indica Rice. Plant Breeding Abstracts. 54(4/5):292.

Sehti, S.K., R.S. Parada and D. Singh. 1987. Combining Ability for Harvest Index and Grain Yield in Barley. *Crop Improvement.* 14(2):157-159.

Shull, G.H. 1952. *Heterosis.* Ames, Iowa, Iowa State College Press.

Singh, K.B. and J.K. Singh. 1971. Potentialities of Heterosis Breeding in Wheat. *Euphytica.* 20:586-590.

Singh, R.P. 1982. Combining Ability for Grain Weight and Its Components in Rice. *Crop Improvement.* 9(2):156-159.

Siriwardana, S. and M.W. Nabors. 1983. Tryptophan Enhancement of Somatic Embryogenesis in Rice. *Plnt Physiology.* 73(1): 142-146.

Smith, E.L. and J.W. Lambert. 1968. Evaluation of Early Generation Testing in Spring Barley. *Crop Sci.* 8:490-493.

Spivakov, N.S. 1984. Evulation of the Degree and Frequency of Expression of Heterosis of Some Characters in First Generation Hybrids of Grain Sorghum. *Plant Breeding Abstracts.* 54(1):15.

Sprague, G.F. and A. Tatum. 1945. General Combining Ability versus Specific Combining Ability in Single Cross of Corn. Journal Amer. Soc. Agron. 34:923-932.

Steel, R.G.D. and J.H. Torrie. 1960. Principles and Procedures of Statistics Mc.Graw-Hill Book Comp, Inc. New York.

Syiam, M.M., H.Y. Award., M.A. El-Charbawi and Y.T. Atta. 1982. Heterosis and Potence Ratio of the Technological Characters in Some Interspecific and Intraspecific Crosses of Cotton. Agricultural Research Review. 60(9): 1-15.

Torigoe, Y., I. Manabe, M. Minami and H. Kurihara. 1987. Differences between Inbreds and Hybrids in Morphological and Physioligical Character of Maize. Japanese Journal of Crop Science. 56(3):395-403.

Ulridge, J.M., B.J. Finkle., B.E. Maebeg., G.W. Schaeffer and F.Jr. Sharpe. 1984. Response of Six Rice Callus Cultures to Deep-Frozen Temperature. Crop Science. 24(1):82-85.

Wu, L. and H.W. Li. 1971. Induction of Callus Tissue Initiation from Different Somatic Organs of Rice Plant by Various Concentration of 2,4-Dichlorophenoxy Acetic Acid. *Cytologia*. 36:411-416.

Xie, J.X. 1983. Rapid Vegetative Propagation of Hybrid Rice. *Plant Breeding Abstracts*. 53(3):211.

Yamada, Y. 1982. The Significance for Rice Improvement of Studying Regeneration in Plant Tissue Culture. In *Rice Tissue Culture Planning Conference*, IRRI:41-46.

Yao, D.Y. and A.D. Krikorrian. 1981. Multiplication of Rice (Oryza sativa L.) from Aseptically Cultured Nodes. *Annual of Botany*. 48:255-259.

Zelenka, D.J. 1985. Genetic Analysis of Growth, Sexual Maturation, and Ova Production in Chickens (Heterosis, Dwarfing Allele). Ph.D. Virginia Polytechnic Institute and State University. 137 pp.

- Zhao, C.Z., K.L. Zheng, X.F. Qi, Z.X. Sun and Y.P. Fu. 1983. Characteristics of Rice Plants Regenerated in Vitro and Their Progeny. In Cell and Tissue Culture Techniques for Cereal Crop Improvement. : 428.
- Zhao, C.Z., K.L. Zheng, X.F. Qi, Z.X. Sun and Y.P. Fu. 1984. Effect of Selection on The Characteristics of Progenies of Rice Plants Derived from Somatic Cell. Plant Breeding Abstracts. 54(2/3):107.
- Zhao, C.Z., Z.X. Sun K.L. Zheng and X.F. Qi. 1985. Application of Somatic Cell Culture to Rice Variety Improvement. Plant Breeding Abstracts. 55(3):191.
- Zhao, C.Z., Z.X. Sun, X.F. Qi, K.L. Zheng and Y.P. Fu. 1981. In Vitro Regeneration of Plantlets from Somatic Tissue of Rice. Field Crop Abstracts. 34(12):1090.
- Zhao, C.Z., Z.X. Sun, X.F. Qi, K.L. Zheng and Y.P. Fu. 1981. Study of The Tissue and Cell Culture of Different Type of Rice. Field Crop Abstracts. 34(12) 1090. Progenies. Acta Genetica Sinica. 9(4):320-324.