

**Pengaruh Jenis Pengemas dan Suhu Ruang Simpan terhadap Daya Simpan
Benih Gandum (*Triticum aestivum* L.)**

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ABSTRAK

Penyimpanan perlu dilakukan untuk mempertahankan mutu benih dan menekan laju kemunduran benih. Dalam proses penyimpanan tersebut akan terjadi penurunan kualitas mutu benih gandum varietas selayar. Hal ini disebabkan, karena suhu dan kelembaban yang tinggi mengakibatkan kerusakan pada benih gandum (*Triticum aestivum* L.). Oleh karena itu, dalam penyimpanan benih harus memperhatikan pemilihan jenis pengemas dan suhu ruang simpan. Penelitian ini bertujuan untuk memperoleh jenis pengemas dan suhu ruang simpan yang sesuai untuk penyimpanan benih gandum. Penelitian ini dilaksanakan di Desa Srontakan, Argomulyo, Sedayu, Bantul, Yogyakarta pada bulan Maret sampai Mei 2016. Penelitian ini dilakukan dengan menggunakan rancangan split plot dua faktor. Faktor pertama sebagai main plot terdiri atas 3 ruang simpan yaitu : ruang freezer, ruang refrigerator, dan ruang kamar. Faktor kedua sebagai sub plot terdiri atas 4 jenis pengemas yaitu, aluminium foil, plastik ketebalan 0,12 mm, toples, dan kain. Benih disimpan selama tiga bulan dan pengamatan dilakukan pada penyimpanan bulan ke 1, bulan ke 2 dan bulan ke 3. Hasil penelitian menunjukkan perlakuan ruang simpan refrigerator dengan pengemas aluminium foil memberikan hasil terbaik pada parameter kadar air benih. Pada perlakuan ruang simpan refrigerator dan freezer memberikan hasil yang baik pada parameter daya hantar listrik, daya tumbuh, indeks vigor, keserempakan tumbuh, bobot basah dan bobot kering.

Kata kunci: Benih gandum, jenis pengemas, suhu ruang simpan

**Effect of Package Type and Room Temperature of Save Storage to
Storability of Wheat Seed (*Triticum aestivum* L.)**

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ABSTRACT

Storage needs to be done to maintain seed quality and suppress the rate of deterioration of the seed. In the storage process will be a decline in the quality of wheat seed varieties selayar. This is due, because high temperature and humidity cause damage to wheat seed (*Triticum aestivum* L.). Therefore, in seed storage should pay attention to the choice of packaging type and temperature of storage space. The objective of this research is to obtain the type of packer and the storage room temperature suitable for the storage of wheat seeds. This research was conducted in Srontakan Village, Argomulyo, Sedayu, Bantul, Yogyakarta from March to May 2016. This research was conducted by using two factor split plot design. The first factor as main plot consists of 3 storage space that is: freezer room, refrigerator room, and living room. The second factor as sub plot consists of 4 types of packaging, aluminum foil, plastic thickness 0.12 mm, jar, and fabric. The seeds are stored for three months and the observations are made on the storage of the 1st, 2nd and 3rd month. The results showed that the treatment of the refrigerator storage chamber with aluminum foil packaging gave the best results on the water content of the seeds. In the treatment of refrigerator and freezer chamber provide good results on electrical conductivity parameters, growing power, vigor index, synchrony grow, wet weight and dry weight.

Keywords: Wheat seed, packer type, room temperature save