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ABSTRACT

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THE RELATION BETWEEN NUTRITION STATUS AND HB LEVEL TOWARD THE CHOLINESTERASE ACTIVITIES OF RICE FARMER'S BLOOD IN KELURAHAN SINANEGARA CILACAP 2007
xiii+56 pages+8 table+3picture+6enclosures

A cholinesterase activity is the enzyme that hydrolyzed acetylcholine (ach) to be the cholin and asetad acid. The rice farmer in Kelurahan Sidanegara is possessing low cholinesterase activities, it might seen from early collected data which shows that from 13 people , among them 9 people only has < 4620-11500 U/l cholinesterase activities or 69.23% and 4 people or 30.77% has < 4620-11500 U/l, then good nutrition status for 9 people (69.23%) and poor nutrition status is 4 people (30.77%), Hb level > 13 gr/dl is 84.62% for 11 people and Hb level < 13-10 gr/dl is 15.38% for 2 people. The purpose of this research to know the relation between nutrition statuses, Hb level with cholinesterase activities of rice farmer in Kelurahan Sinanegara Cilacap 2007

The research is an explanatory research which using survey method and cross sectional for its approaching. The sample is taken by using purposive sampling with inclusion and exclusion criteria from 21 persons by 43 people for the entire rice farmer population. The research instrument is digital measurer, microtoise, stardas MC 15, and spektrofotometer. The statistics test which used to know the relation nutrition status, Hb level with cholinesterase activity of farmer blood with its interval scale is *Rank Spearman* correlation test.

The research result showing that nutrition status with IMT for 10 people can be classified for good nutrition status, the result of the Hb for 18 people, it the hemoglobin level is normal, the cholinesterase activity examination from 12 people is occurring toxicity with cholinesterase activity. The statistic result shows no relation between nutrition status with cholinesterase activity (p value=0.229). There is no significant relation between Hb level with cholinesterase activity (p value= 0.529)

Based the research result, the writer recommends the related department to held educational meeting about daily nutrition fixation, introducing and giving explanation about integrated germ controlling program (PHT).

Keywords : Nutrition status, Hb level, cholinesterase activity
References : 31 items, 1989 – 2007

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ABSTRAK

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HUBUNGAN ANTARA STATUS GIZI DAN KADAR Hb DENGAN AKTIVITAS CHOLINESTERASE DARAH PETANI PADI DI KELURAHAN SIDANEGARA CILACAP 2007
xiii+56 hal+8 tabel+3gambar+6lampiran

Aktivitas cholinesterase adalah enzim yang berfungsi menghidrolisa *achetilcholin* (Ach) menjadi *cholin* dan *asam asetat*. Petani padi di Kelurahan Sidanegara memiliki aktivitas cholinesterase yang rendah, dilihat dari data awal yang dilakukan sebanyak 13 orang menunjukkan bahwa aktivitas cholinesterase < 4620-11500 U/l sebesar 69.23 % (9 orang) dan aktivitas cholinesterase > 4620 – 11500 U/l sebesar 30.77 % (4 orang), status gizi baik sebesar 69.23 % (9 orang) dan gizi kurang sebesar 30.77 % (4 orang), kadar Hb > 13 gr/dl sebesar 84.62 % (11 orang) dan kadar Hb < 13-10 gr/dl sebesar 15.38 % (2 orang), Tujuan penelitian ini adalah melihat hubungan status gizi, kadar Hb dengan aktivitas cholinesterase petani padi di Kelurahan Sidanegara Kabupaten Cilacap 2007.

Jenis penelitian *Eksplanatory* menggunakan metode survei dengan pendekatan *cross* sectional. Pengambilan sampel dengan *purposive sampling* dengan kriteria inklusi dan eksklusi dengan jumlah 21 orang dari populasi 43 orang petani. Instrument penelitian timbangan digital, microtoise, stardas MC 15, dan spektrofotometer. Uji statistik yang digunakan untuk mengetahui hubungan status gizi, kadar Hb dengan aktivitas cholinesterase darah petani dengan skala interval adalah uji korelasi *Rank Spearman.*

Hasil penelitian menunjukkan bahwa status gizi dengan IMT sebanyak 10 orang tergolong status gizi baik, hasil pemeriksaan kadar Hb sebanyak 18 orang responden dikatakan normal, hasil pemeriksaan aktivitas cholinesterase sebanyak 12 orang mengalami keracunan. Hasil uji statistik menunjukkan tidak ada hubungan antara status gizi dengan aktivitas cholinesterase (p value = 0.229), Tidak ada hubungan yang signifikan antara kadar Hb dengan aktivitas cholinesterase (p value = 0.529).

Berdasarkan hasil penelitian, penulis menyarankan bagi Instansi agar diadakan penyuluhan tentang perbaikan gizi sehari – hari, memperkenalkan dan memberikan penjelasan tentang program pengendalian Hama Terpadu (PHT).

Kata kunci : Status gizi, kadar Hb, aktivitas cholinesterase
Kepustakaan : 31 buah, 1989 – 2007