

## **THE CORRELATION BETWEEN COGNITIF FUNCTION AND AGGRESSIVITY IN SCHIZOPHRENIA**

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### **ABSTRACT**

**Background:** Schizophrenia is a chronic severe mental disorder with severe cognitive, emotional and behavioral disturbances. People with schizophrenia have severe impairments in cognitive function. In addition, they also experience severe behavioral disturbances, one of which is aggressivity. Aggressivity in schizophrenic patients is associated with cognitive deficits. Decreased cognitive function in schizophrenia causes aggressive behavior in patients. This study will examine the relationship between cognitive function and aggressiveness in schizophrenic patients.

**objectives:** to identify the relationship between cognitive function and aggressivity in schizophrenic patients.

**Methods:** This research is an observational analytic study with a cross sectional approach. The research subjects were schizophrenic patients who were hospitalized at RS Ernaldi Bahar Palembang. Cognitive function was measured by the Indonesian version of the Montreal Cognitive Assessment (MoCA-Ina). Aggressivity was measured by the Buss-Perry Aggression Questionnaire (BPAQ). Data analysis used the Spearman test and linear regression. The significance level of the statistical test was stated at  $p < 0.05$ .

**Results:** This study shows the relationship between cognitive function and aggressiveness of schizophrenic patients with  $p = 0.04$ ,  $r = -0.340$ . From the multivariate analysis, it was found that cognitive function scores had an effect on aggressivity scores ( $R \text{ square} = 0.207$ ,  $\beta = -0.730$ ,  $p = 0.005$ )

**Conclusion:** There is a significant relationship between cognitive function and the aggressiveness of schizophrenic patients.

**Key words:** schizophrenia – cognitive deficits – aggressiveness

## **HUBUNGAN FUNGSI KOGNITIF DENGAN AGRESIVITAS PADAPASIEN SKIZOFRENIA**

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### **INTISARI**

**Latar belakang:** Skizofrenia merupakan gangguan mental berat kronis dengan gangguan berat pada kognitif, emosi dan perilaku. Orang dengan skizofrenia (ODS) mengalami gangguan berat pada fungsi kognitif. Selain itu, ODS juga mengalami gangguan berat pada perilaku, salah satu nya adalah agresivitas. bahwa agresivitas pada pasien skizofrenia berhubungan dengan defisit kognitif. Penurunan fungsi kognitif pada skizofrenia menyebabkan munculnya perilaku agresif pada pasien. Penelitian ini akan meneliti hubungan antara fungsi kognitif dan agresivitas pada pasien skizofrenia.

**Tujuan penelitian:** untuk mengidentifikasi hubungan fungsi kognitif dan agresivitas pasien skizofrenia.

**Metode:** Penelitian ini merupakan penelitian analitik observasional dengan pendekatan *cross sectional*. Subjek penelitian adalah pasien skizofrenia yang dirawat di RS Ernaldi Bahar Palembang. Fungsi kognitif diukur dengan *Montreal Cognitive Assasement* versi Indonesia (MoCA-Ina). Sedangkan agresivitas diukur dengan Buss-Perry Aggression Questionnaire (BPAQ). Analisis data menggunakan Uji *spearman* dan regresi linear. dan tingkat kemaknaan uji statistik dinyatakan pada  $p < 0,05$ .

**Hasil:** Penelitian ini menunjukkan hubungan fungsi kognitif dan agresivitas pasien skizofrenia dengan nilai  $p=0,04$ ,  $r= -0,340$ . Dari analisis multivariat didapatkan skor fungsi kognitif berpengaruh terhadap skor agresivitas ( $R\text{ square}=0,207$ ,  $\beta= -0,730$ ,  $p= 0,005$ )

**Kesimpulan:** Terdapat hubungan yang bermakna antara fungsi kognitif dan agresivitas pasien skizofrenia.

**Kata kunci:** skizofrenia – defisit kognitif- agresivitas