

## ABSTRAK

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“PENGARUH KEBISINGAN AKIBAT PESAWAT TERBANG MELINTAS DI PEMUKIMAN SEKITAR BANDARA JUANDA TERHADAP KELUHAN SUBJEKTIF MASYARAKAT (Studi Kasus di Desa Sedati Gede Sidoarjo Tahun 2021)”

xiii + 45 Halaman + 4 Gambar + 11 Tabel + 9 Lampiran

Aktivitas pesawat di wilayah sekitar bandar udara dapat menimbulkan gangguan pendengaran, gangguan komunikasi, gangguan tidur, tingkat yang lebih tinggi dari stres yaitu kecemasan, depresi, morbiditas psikologis, gangguan hipertensi dan penyakit jantung coroner. Penelitian bertujuan untuk mengetahui pengaruh kebisingan akibat pesawat terbang terhadap keluhan subjektif masyarakat di Desa Sedati Gede, Sidoarjo.

Jenis penelitian deskriptif analitik dengan pendekatan *Cross Sectional*. Pengumpulan data dilakukan dengan pengukuran kebisingan, wawancara, dan observasi. Penelitian dilakukan pada pemukiman di Desa Sedati Gede, Sidoarjo yang berjumlah 2290 kepala keluarga dan sampel sebanyak 45 kepala keluarga. Data yang diperoleh selanjutnya akan diolah dan disajikan dalam bentuk tabel. Analisis perbedaan intensitas kebisingan dengan jarak dan pengaruh kebisingan terhadap keluhan subjektif masyarakat kemudian dianalisis dengan analisis deskriptif dan analisis perbedaan keluhan subjektif masyarakat pada tiga zonasi kemudian dianalisis dengan analisis statistik untuk menguji hipotesis dengan uji *one-way anova*.

Hasil penelitian menunjukkan bahwa kebisingan pada zona dekat 86,8 dBA, pada zona tengah 85,3 dBA, dan pada zona jauh 67,5 dBA, masyarakat yang mengalami keluhan cukup terganggu sebesar 15,6%, sedikit terganggu 48,9%, tidak terganggu 35,6%, dan tidak terdapat orang dengan keluhan sangat terganggu dan terganggu, terdapat perbedaan tingkat kebisingan dengan jarak, terdapat perbedaan yang signifikan antara keluhan subjektif masyarakat dengan tiga zonasi wilayah penelitian dengan nilai signifikansi  $p = 0,005 (<0,05)$ , dan terdapat pengaruh Terdapat pengaruh intensitas kebisingan terhadap keluhan subjektif masyarakat.

Kesimpulan adalah terdapat pengaruh kebisingan akibat pesawat terbang melintas di pemukiman sekitar bandara juanda terhadap keluhan subjektif masyarakat di Desa Sedati Gede, Sidoarjo.

Kata Kunci : kebisingan, pesawat terbang, keluhan subjektif masyarakat, jarak zonasi

Daftar Bacaan : 27 Buku dan Jurnal (1991-2020)

## ABSTRACT

Arina Khusnal Hidayaty

“INFLUENCE OF NOISE DUE TO AIRLAND PASSING IN SETTLEMENTS AROUND JUANDA AIRPORT ON COMMUNITY SUBJECTIVE COMPLAINTS (Case Study in Sedati Gede Village, Sidoarjo in 2021)”

xiii + 45 Pages + 4 Pictures + 11 Tables + 9 Appendix

Aircraft activity in the area around the airport can cause hearing loss, communication disorders, sleep disorders, higher levels of stress, namely anxiety, depression, psychological morbidity, hypertension disorders and coronary heart disease. This study aims to determine the effect of noise caused by airplanes on subjective complaints of people in Sedati Gede Village, Sidoarjo.

This type of research is descriptive analytic with a Cross Sectional approach. Data was collected by measuring noise, interviews, and observations. The study was conducted in settlements in the village of Sedati Gede, Sidoarjo, totaling 2290 families and a sample of 45 families. The data obtained will then be processed and presented in tabular form. The analysis of differences in noise intensity with distance and the effect of noise on people's subjective complaints was then analyzed by descriptive analysis and analysis of differences in subjective complaints of people in three zones and then analyzed by statistical analysis to test the hypothesis with the one-way anova test.

The results showed that the noise in the near zone was 86.8 dBA, in the middle zone was 85.3 dBA, and in the far zone was 67.5 dBA, people who experienced complaints were quite disturbed by 15.6%, slightly disturbed 48.9%, not disturbed 35.6%, and there were no people with complaints of being very disturbed and disturbed, there was a difference in noise level with distance, there was a significant difference between the subjective complaints of the community with the three zoning of the study area with a significance value of  $p = 0.005$  ( $<0.05$ ), and there is an influence There is an effect of noise intensity on the subjective complaints of the community.

The conclusion is that there is an effect of noise due to airplanes passing in the settlements around Juanda airport on the subjective complaints of the people in Sedati Gede Village, Sidoarjo.

Keywords: noise, airplanes, people's subjective complaints, distance

Reading List : 27 Books and Journals (1991-2020)