

**(SINDROM BANGUNAN SAKIT DI JABATAN KEJURUTERAAN DI POLITEKNIK
SULTAN SALAHUDDIN ABDUL AZIZ SHAH)**

SITI NUR ZULAIKHA BINTI MOHD. FAUZI (08DPB18F1041)

RABI'ATUL'ADAWIYAH BINTI ABU HASAN (08DPB18F1021)

ABSTRAK

Kajian Sindrom Bangunan Sakit (SBS) di Jabatan Kejuruteraan di Politeknik Sultan Salahuddin Abdul Aziz Shah (PSA) dilaksanakan adalah untuk mengenalpasti punca-punca SBS yang sering berlaku di bangunan Jabatan Kejuruteraan. Kajian ini juga bertujuan untuk mengenalpasti bangunan yang sering mengalami simptom SBS di PSA. Setelah membuat analisa dari sesi soal selidik terhadap 105 orang responden dari jabatan kejuruteraan, pengkaji mendapati bahawa terdapat beberapa simptom yang dialami oleh responden. Simptom yang paling tinggi ialah sakit kepala iaitu sebanyak 50%, selesema sebanyak 43%, batuk sebanyak 39%, gatal atau iritasi merekodkan 31%, manakala hidung berair dan pening masing-masing merekodkan 30% dan 24%, dan simptom yang merekodkan peratus paling rendah ialah nafas pendek iaitu sebanyak 22%. Daripada kajian literatur yang dijalankan, simptom-simptom ini adalah berpunca daripada SBS, ini dinyatakan di dalam Portal myHEALTH Kementerian Kesihatan Malaysia. Hasil kajian juga mendapati bahawa tahap keselesaan responden semasa berada di dalam kelas adalah di tahap selesa. Manakala, ketika berada di bengkel yang menggunakan sistem pengudaraan semulajadi, responden berada di tahap kurang selesa kerana suhu yang direkodkan adalah sekitar 31°C hingga 33°C. Menurut MyGOV, purata suhu harian di seluruh Malaysia ialah antara 21°C hingga 32°C. Kesimpulannya, hasil kajian ini membuktikan bahawa terdapat simptom SBS pada bangunan di Jabatan Kejuruteraan di PSA. Hasil dapatan ini akan dimaklumkan ke Unit Penyelenggaraan PSA untuk cadangan baikpulih kerosakkan atau melakukan penyelenggaraan di bangunan PSA. Ini akan memastikan pengguna berada dalam keadaan yang sihat dan dapat menjalani proses pembelajaran dengan selamat dan selesa.

Kata kunci: 1. SBS – Sindrom Bangunan Sakit

2. PSA – Politeknik Sultan Salahuddin Abdul Aziz Shah

**(SICK BUILDING SYNDROME AT ENGINEERING DEPARTMENT AT
POLITEKNIK SULTAN SALAHUDDIN ABDUL AZIZ SHAH)**

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ABSTRACT

The research of Sick Building Syndrome (SBS) in the Engineering Department at Politeknik Sultan Salahuddin Abdul Aziz Shah (PSA) was conducted to identify the causes of SBS that often occur in the building of the Engineering Department. This research also aims to identify buildings that often experience SBS symptoms in PSA. After analyzing from the questionnaire session on 105 respondents from the engineering department, the researcher found that there are some symptoms experienced by the respondents. The highest symptoms were headache of 50%, flu of 43%, cough of 39%, itching or irritation recorded 31%, while runny nose and dizziness accounted for 30% and 24%, respectively, and symptoms recorded the lowest is shortness of breath which is 22%. From the literature review conducted, these symptoms are caused by SBS, this is stated in the myHEALTH Portal of the Kementerian Kesihatan Malaysia. The results also found that the level of comfort of the respondents while in the classroom is at a comfortable level. Meanwhile, while in the workshop that using a natural ventilation system, respondents were at a less comfortable level because the recorded temperature was around 31°C to 33°C. According to MyGOV, the average daily temperature throughout Malaysia is between 21°C to 32°C. In conclusion, the results of this research prove that there are symptoms of SBS on the building in the Engineering Department at PSA. The findings will be communicated to the PSA Maintenance Unit for suggestions on repairing damage or performing maintenance on the PSA building. This will ensure that occupants are in a healthy condition and can go through the learning process safely and comfortably.

Keywords: 1. SBS - Sick Building Syndrome

2. PSA - Politeknik Sultan Salahuddin Abdul Aziz Shah