

**INSTITUT TEKNOLOGI DAN KESEHATAN MAHARDIKA  
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Skripsi, Juni 2025  
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**HUBUNGAN PERILAKU PEMBERANTASAN SARANG NYAMUK 3M  
PLUS DENGAN KEJADIAN DEMAM BERDARAH DENGUE DI  
WILAYAH KERJA PUSKESMAS KALIJAGA PERMAI KOTA CIREBON**

xv + 250 + 6 tabel + 16 lampiran

**ABSTRAK**

Demam Berdarah Dengue (DBD) merupakan penyakit yang banyak menyebabkan kematian di daerah tropis dan subtropis serta menjadi ancaman serius bagi kesehatan global. Salah satu upaya pengendalian yang efektif adalah melalui Pemberantasan Sarang Nyamuk (PSN) 3M Plus, yang bertujuan memutus siklus hidup nyamuk *Aedes aegypti* sebagai vektor utama penyebab DBD. Penelitian ini dilakukan untuk mengetahui hubungan antara perilaku PSN 3M Plus dengan kejadian DBD di wilayah kerja Puskesmas Kalijaga Permai Kota Cirebon.

Penelitian ini merupakan penelitian kuantitatif dengan pendekatan cross-sectional, di mana data dikumpulkan dalam satu waktu. Sampel penelitian sebanyak 99 rumah dari total populasi 8.112 rumah, yang dipilih menggunakan teknik proportionate random sampling. Responden dalam penelitian ini adalah ibu rumah tangga yang bertanggung jawab dalam pengelolaan kebersihan rumah. Instrumen yang digunakan adalah lembar kuesioner, dan analisis data dilakukan menggunakan uji Chi-Square dengan tingkat signifikansi  $\alpha = 0,05$ . Penelitian ini telah mendapatkan pernyataan "Laik Etik" dari KEPK ITEKes Mahardika.

Hasil penelitian menunjukkan bahwa dari 48 responden dengan perilaku PSN 3M Plus yang buruk, sebanyak 22 orang (45,8%) pernah mengalami DBD. Sedangkan dari 51 responden yang memiliki perilaku baik, hanya 10 orang (19,6%) yang pernah mengalami DBD. Uji Chi-Square menunjukkan nilai  $p = 0,010$ , yang berarti terdapat hubungan signifikan antara perilaku PSN 3M Plus dengan kejadian DBD.

Disimpulkan bahwa terdapat hubungan antara perilaku PSN 3M Plus dengan kejadian DBD. Diharapkan pihak puskesmas meningkatkan edukasi dan sosialisasi program PSN 3M Plus kepada masyarakat secara intensif.

**Kata Kunci : Perilaku Pemberantasan Sarang Nyamuk 3M Plus,  
Kejadian Demam Berdarah Dengue**  
**Daftar Pustaka : 37 ( 2017-2025)**

**MAHARDIKA INSTITUTE OF TECHNOLOGY AND HEALTH  
HEALTH FACULTY  
Study Program of Public Health**

*Mini Thesis, Juni 2025  
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**RELATIONSHIP BETWEEN 3M PLUS MOSQUITO NEST ERADICATION  
BEHAVIOR AND DENGUE FEVER INCIDENTS IN THE WORK AREA OF  
KALIJAGA PERMAI PUBLIC HEALTH CENTER, CIREBON CITY**

*xv + 250 + 6 Tables + 16 Appendices*

**ABSTRACT**

*Dengue Hemorrhagic Fever (DHF) is a disease that causes many deaths in tropical and subtropical areas and is a serious threat to global health. One of the effective control efforts is through the 3M Plus Mosquito Nest Eradication (PSN), which aims to break the life cycle of the *Aedes aegypti* mosquito as the main vector causing DHF. This study was conducted to determine the relationship between the behavior of the 3M Plus PSN and the incidence of DHF in the work area of the Kalijaga Permai Health Center, Cirebon City.*

*This study is a quantitative study with a cross-sectional approach, where data is collected at one time. The research sample was 99 houses from a total population of 8,112 houses, which were selected using the proportionate random sampling technique. Respondents in this study were housewives who were responsible for managing home cleanliness. The instrument used was a questionnaire sheet, and data analysis was carried out using the Chi-Square test with a significance level of  $\alpha = 0.05$ . This study has received a statement of "Ethical Eligibility" from KEPK ITEKes Mahardika.*

*The results of the study showed that out of 48 respondents with poor PSN 3M Plus behavior, 22 people (45.8%) had experienced DHF. Meanwhile, out of 51 respondents who had good behavior, only 10 people (19.6%) had experienced DHF. The Chi-Square test showed a  $p$  value = 0.010, which means that there is a significant relationship between PSN 3M Plus behavior and the incidence of DHF.*

*It is concluded that there is a relationship between PSN 3M Plus behavior and the incidence of DHF. It is hoped that the health center will increase education and socialization of the PSN 3M Plus program to the community intensively.*

**Keywords : Mosquito Nest Eradication Behavior 3M Plus, Dengue Fever Incident**  
**Bibliography : 37 ( 2017-2025)**