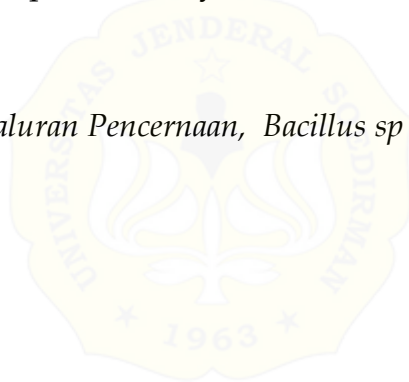


## ABSTRAK

Penelitian ini berjudul bakteri saluran pencernaan pada ikan Gabus (*Channa striata*) yang dibudidayakan di Kecamatan Kemranjen, Kabupaten Banyumas. Penelitian mengenai informasi bakteri saluran pencernaan ikan gabus masih jarang ditemui terlebih dalam pemanfaatan bakteri tersebut sebagai kandidat probiotik. Tujuan dari penelitian ini adalah untuk mengetahui jumlah total bakteri, proporsi dari sifat Gram bakteri dan komposisi bakteri *Bacillus* sp pada saluran pencernaan ikan Gabus di Kecamatan Kemrajen, Kabupaten Banyumas. Objek penelitian yang digunakan adalah 5 ekor ikan Gabus yang berukuran 10 - 11 cm dengan berat 5 - 7 Gram. Data yang didapat dianalisis dengan menentukan korelasi panjang dan berat ikan terhadap kelimpahan bakteri, persentasi sifat Gram bakteri. Hasil analisis data menunjukkan bahwa panjang dan berat ikan Gabus tidak berkorelasi terhadap kelimpahan bakteri dan persentase Gram positif. Sebaliknya panjang dan berat ikan Gabus berkorelasi dengan persentase sifat bakteri Gram negatif. Identitas *Bacillus* sp yang ditemukan *Bacillus cereus* sebesar 20%, *Bacillus megaterium* sebesar 62% dan bakteri positif lainnya 18%.

**Kata Kunci :** Bakteri, Saluran Pencernaan, *Bacillus* sp



## **ABSTRACT**

This research is entitled digestive tract bacteria in Gabus fish (*Channa striata*) that cultivated in Kemranjen District, Banyumas Regency. Research regarding information about digestive tract bacteria is rarely founded especially in the use of these bacteria as probiotic candidates. This paper aims to determine the total number of bacteria, the proportion of the characteristics of Gram bacteria and the composition of *Bacillus* sp bacteria in the digestive tract of Gabus fish in Kemrajen District, Banyumas Regency. The research object used were 5 Gabus fishes measuring 10 - 11 cm and weighing 5 - 7 grams. The data obtained were analyzed by determining the correlation between length and weight of fish to bacterial abundance, percentage of bacterial Gram traits. The results of data analysis showed that the length and weight of Gabus fish did not correlate with the abundance of bacteria and the percentage of Gram positive. On the other hand, length and weight of snakehead fish correlated with the percentage of Gram negative bacteria traits. The identities of *Bacillus* sp found by *Bacillus cereus* were 20%, *Bacillus megaterium* was 62% and other positive bacteria were 18%.

**Key words :** *Bacteria, Digestive Tract, Bacillus*

