

## Intisari

Penelitian ini bertujuan untuk mengetahui komposisi dan preferensi pakan ikan tongkol lisong (*Auxis rochei*) di Perairan Prigi, Kabupaten Trenggalek. Sejumlah 249 ekor ikan hasil tangkapan nelayan telah dikumpulkan selama bulan bulan Maret hingga Mei 2018. Setiap sampel diukur panjang total dan berat, ditentukan jenis kelamin, kemudian dibedah untuk mengukur panjang dan mengamati isi saluran pencernaan. Analisis data yang dilakukan meliputi distribusi frekuensi panjang total, panjang usus relatif, frekuensi kejadian, indeks bagian terbesar, tingkat trofik dan luas relung makanan, dan tumpang tindih makanan. Hasil penelitian menunjukkan bahwa jenis makanan utama *Auxis rochei* adalah ikan dan udang, sedangkan makanan pelengkap dan tambahan adalah copepoda, *mollusca*, dan annelida. Ikan tongkol lisong merupakan ikan karnivora dengan panjang usus relatif berkisar 0,32-0,52 dan tingkat trofik sebesar 3,7. Nilai tumpang tindih makanan berkisar 0,55-0,99 yang menunjukkan adanya persaingan terhadap sumberdaya makanan.

Kata kunci: *Auxis rochei*, karnivora, preferensi pakan, Prigi

### *Abstract*

This study aimed to determine the food composition and food preference of bullet tuna (*Auxis rochei*) in Prigi Coast, Trenggalek Regency. In total 294 fishes were collected randomly during March to May 2018. Each collected sample was measured its total length and body weight, determined sex, then dissected to measure the length of the gut and to observe its contents. The data analysis includes total length distribution, relative gut length, food composition, occurrence frequency, index of preponderance, trophic level and niche breadth, and food overlapping. The result showed that fish and shrimp were the main food for *Auxis rochei*, while its complementary and additional foods are copepods, mollusca, and annelids. Bullet tuna is carnivorous fishes, with relative gut length about 0,32-0,52 and trophic level approximately 3,7. The food overlap was about 0,55-0,99, which means there was food resources competition among the fishes.

Key words: *Auxis rochei*, carnivore, food preference, Prigi