

BAB V

KESIMPULAN DAN SARAN

5.1 Kesimpulan

Kesimpulan dari penelitian ini adalah:

1. Nilai Catch per Unit Effort (CPUE) ikan tuna sirip kuning di WPPNRI 572 yang didaratkan di PPS Bungus menunjukkan tren menurun dari tahun 2019–2024. Hal ini mencerminkan berkurangnya kelimpahan stok dan meningkatnya tekanan penangkapan. Stabilisasi CPUE dalam dua tahun terakhir berada pada tingkat rendah, menunjukkan kondisi keseimbangan baru yang perlu diwaspadai.
2. Analisis Maximum Sustainable Yield (MSY) menggunakan model Schaefer dan Fox menunjukkan bahwa batas maksimal pemanfaatan lestari berada pada kisaran 400–487 trip per tahun. Namun, effort aktual dalam tiga tahun terakhir telah melebihi batas tersebut, yang mengindikasikan kondisi overfishing.
3. Tingkat pemanfaatan sumberdaya tuna sirip kuning bersifat fluktuatif, dari underfishing (2019–2021), meningkat menjadi overfishing (2022), lalu kembali pada status fully exploited (2023–2024). Hal ini menegaskan perlunya pengelolaan adaptif berbasis data agar stok ikan tetap berada dalam kondisi lestari.

5.2 Saran

1. Jumlah trip penangkapan sebaiknya dibatasi tidak melebihi 400–487 trip per tahun, sesuai estimasi MSY, untuk menghindari eksploitasi berlebih dan menjaga keberlanjutan stok.

2. Perlu ditetapkan batas ukuran minimum ikan yang boleh ditangkap guna mencegah penangkapan juvenil yang dapat mengganggu siklus reproduksi dan mempercepat penurunan stok.
3. Diperlukan pemantauan rutin terhadap CPUE, distribusi panjang, dan tingkat pemanfaatan guna mendukung pengambilan kebijakan berbasis bukti (science-based) dalam pengelolaan perikanan tuna secara berkelanjutan.

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