TOPIC: *(1) Design of ships and special waterborne vessels*

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SCHOONER TYPE TRAINING SHIP DESIGN

Summary

Aim of this paper is to present training ship design process which is performed to develop vessel that will comprehend all requirements necessary for modern practical education of Croatian nautical school students and traditional characteristics of Adriatic type schooner. Special attention was dedicated to rig and sail plan design and stability analysis because building of that type of vessel are very rare today and design and stability assessment approaches are very different and insufficiently described.

Key words: training ship, ship design, stability assessment, sail plan, rig design

OSNIVANJE ŠKOLSKOG BRODA TIPA LOGER

Sažetak

Cilj ovog rada je prikazati proces osnivanja školskog broda jedrenjaka koji mora zadovoljavati zahtjeve moderno opremljenog plovila koji će se koristiti za praktičnu izobrazbu hrvatskih pomoraca i časnika ali uz očuvanje autentičnosti i tradicijskih karakteristika jadranskog broda tipa "Loger". Posebna pažnja posvećena je projektu snasti i analizi stabiliteta broda pod jedrima što je predstavljalo poseban izazov obzirom da postoji više različitih pristupa rješenju tog problema i relativno malo informacija jer se danas takvi brodovi rijetko grade.

Ključne riječi*: osnivanje, školski brod, jedrilje, snast, stabilitet*