

ANALYSIS OF DIAMETERS AND TAPER OF DIAMETER OF PINE LOGS IN I/III CLASS OF QUALITY

Branko Rabadziski, Goran Zlateski, Zoran Trposki, Vladimir Koljozov, Bojan Rabadziski

ABSTRACT

This paper presents the results of investigations of diameter and taper of diameter of pine logs. The investigation was performed on raw material with dimensions: 5,0 m and 6,0 m in length and assigned in I –st; II – nd; III – rd class of quality. A total number of 60 logs were investigated i.e. 30 for each length. For logs of 5,0 m in length, mean diameter was $42,2 \pm 1,427$ cm, $1,1 \pm 0,091$ cm/m taper of diameter and belonging to „C” group of thickness. For logs of 6,0 m in length, mean diameter was $38,9 \pm 1,240$ cm, $1,1 \pm 0,093$ cm/m taper of diameter belonging to „C” group of thickness.

REFERENCES

- Arsovski, M. (1978): Study of the diameter and length of beech logs, Forestry review, Skopje, (in Macedonian).
- Donchev, G., Vasilev. (1977): Technology of producing of lumber of low quality beech logs, ZEMIZDAT, Sofia, (in Bulgarian).
- Kalamadevski, P. (2012): Experimental and simulated cutting of sawmill white pine logs I/II class of quality and comparing the maximum quantity usage on chain saw, Doctoral thesis, Faculty of Design and Technologies of Furniture and Interior, Skopje.
- Mihajlov, I. (1968): Dendrometry, Faculty of Forestry, Skopje, (in Macedonian).
- Rabadziski, B., Kalamadevski, P., Zlateski, G. (2013): Quantitative yield of white pine logs during experimental and simulated sawing, Journal, Wood, Design & Technology, Vol.2, No. 1, Skopje, pp. 10 - 15.
- Rabadziski, B. (1991): Quantitative and qualitative yield of beech logs during sawmill processing, master Thesis, Faculty of Forestry, Skopje, (in Macedonian).
- Stefanovski, V., Rabadziski, B. (1994): Primary wood processing, Faculty of Forestry, Skopje (in Macedonian).