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No. 57 March 2021 Article Analysis on economic balances of clear cutting and regeneration operations in Utsunomiya city, Tochigi prefecture Chikara NAKAHATA, Yoshikazu OGAWA, Shuntaro MIYASHITA, Takumi ADACHI, Kazuhiro ARUGA 1 Stress-wave velocity of stems, dynamic Young's modulus of logs, and wood properties in two broad-leaved tree species Futoshi ISHIGURI, Haruna AISO, Kazuhiro ARUGA, Anatomical characteristics of reaction wood in naturally inclined Gardenia sp. tree grown in South Kalimantan, Indonesia Haruna AISO, Futoshi ISHIGURI, Research material Estimating supply potentials and available amounts of timber and logging residues using forest management records in Tochigi prefecture Results of log selling in Utsunomiya University Forests at Funyu (2015-2016) Periodic inventory data of growth experimental plots at Funyu in Utsunomiya University Forests (IX) Keigo MATSUE 41 Longicorn beetle assemblages of Utsunomiya University Forests in Funyu Behavior of radiocesium in forest and trees (VII) -Records of survey results in 2018 and 2019-Kazuva IIZUKA. Jvunichi OHSHIMA. Mineaki AIZAWA. Tatsuhiro OHKUBO, Futoshi ISHIGURI, Shinso YOKOTA 57 A case of early growth of Japanese cedar containerized seedlings in Tochigi prefecture Ai OHWADA, Satoe UEMORI, Yusei ECHIZEN, Shohei KIKUCHI, Jyunichi OHSHIMA, Naoko MIYAMOTO, Kazuya IIZUKA61 A report of integrated practicum in forest science program (2019) A report of integrated practicum in forest science program (2020)

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