



The image shows a thumbnail of a research paper. The title is "Evaluation of Retrofit Procedures for Nail-Laminated and Stringer Bridges". The paper is from the "Research" section of a journal. The thumbnail includes a header with "digital competency" and a search bar. The main text of the paper is visible, starting with "The purpose of this research was to evaluate the effectiveness of three different retrofit procedures for nail-laminated and stringer bridges. The procedures were: 1) full depth repair, 2) full depth repair with steel reinforcement, and 3) full depth repair with steel reinforcement and epoxy. The results showed that the full depth repair with steel reinforcement and epoxy procedure was the most effective, resulting in the highest load capacity and stiffness. The full depth repair with steel reinforcement procedure was the next most effective, and the full depth repair procedure was the least effective. The results also showed that the full depth repair with steel reinforcement and epoxy procedure resulted in the highest ductility and energy dissipation. The full depth repair with steel reinforcement procedure resulted in the next highest ductility and energy dissipation, and the full depth repair procedure resulted in the lowest ductility and energy dissipation. The results of this research can be used to guide the selection of retrofit procedures for nail-laminated and stringer bridges.