RESPONSE TO RTEC COMMENTS

SETUP CORE☐ LOCAL GIA☒

Project Title:	Design, Development, Test, and Utilization of Bamboo (Kawayan tinik and Patong) - Laminated Tabletops for Student Desks and other Furniture
Beneficiary/Proponent:	RSU-CET
Province:	Romblon
Amount Requested:	PhP776,600.00
Date of Evaluation:	September 22, 2020 & December 2, 2020

RTEC Comments	Response
• Include in the objectives the determination of the production cost; 6P's in the objectives is already implied, remove instead.	Included in the objectives the determination of the production cost; removed 6P's in the objectives
• Provide the volume of the raw materials, and the expected finished products.	The project will target 1000 to 2000 finished products annually. This target output volume requires at least 350 to 700 culms per year. p.2
• Provide the complete specifications of the equipment.	Provided the complete specifications of proposed equipment, p.4
• There should be a student (BS or graduate school) involved in the project	Included in the proposal, p.3
• Identify the potential future industry partner/taker of the technology	The research will be spun off to the RSU-CET woodworking school factory or to any taker especially from the furniture industry. The researchers may be allowed to share profits from operations as defined by the IGP manual of the university. p.3
• Draft an ordinance for planting this species of bamboo for sourcing of raw materials	Will proceed on drafting an ordinance for planting the species of bamboo to be used in production. This will form part of the policy output. P.6
• Define the methodology and experimental design; define the fixed and variable parameters	Defined in p.2-3. The variables (treatments) are the types of laminates while all other parameters in sample preparation held constant.
• Provide a comparative analysis with the existing products.	Comparative analysis shown in p.4
December 2, 2020 RTEC Evaluation Comments	
• No comments were addressed during the first presentation	

• What type of glue will be used? In lamination, how will the high moisture content be explained?	Rakoll hot setting glue will be used. High moisture content will be eliminated by using a hot press in lamination. Rakoll cold-setting glue may also used as an alternative
• Manufacturing variables should be well defined.	Manufacturing variables like type of bamboo, the production of slats, the substrate for lamination, the glue used, the pressing method and the finishing were all defined in the methodology. Pp 2-3.
• The quality must have standards which is achievable by having well-defined manufacturing process	The quality is defined in the manufacturing process. The standard thickness and width of the slats for lamination were specified. The quality of products will be addressed through tests that were also included in the methodology. Pp 2-3.
February 2, 2021 RTEC Evaluation Comments	
• Is there a dryer available for high moisture content? If none and they do sun drying, moisture content required and the duration for this process should be considered for it will affect the strength of the glue.	A dryer is available at the university for drying the samples that will be used. Moisture content will be watched with sample specimens included in the dryer. Moisture content measurements will be made using a moisture meter and to be verified using weighing equipment. Page 3.
• Glue spread variable could be through cold pressing	Glue spread will be made constant for all laminates. Glue curing through cold pressing may also be made an alternative provided that the bamboo used will be dry. Page 3.
• Provide experimental design in the proposal	Experimental design is provided in page 3.

Prepared by:

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Proponent