

CHAPTER FIVE

5.0 CONCLUSIONS AND RECOMMENDATIONS

5.1 CONCLUSION

The construction of the 560mm by 915mm suspended ground floor (SGF) at the Concrete Laboratory of the Civil Engineering Department, Kwara State Polytechnic, Ilorin ,is the evidence of the careful design,implementation,and quality control procedures used in its realization.This kind of construction has several benefits such as being very inexpensive,light weight,and having excellent acoustic and thermal insulation qualities. However it is crucial to guarantee that the floor is protected from moisture and pest and that the joist are correctly treated and placed.

5.2. RECOMMENDATIONS

By incorporating the following recommendations into this report, will offer a comprehensive and insightful document detailing the construction process, materials' quality, structural design, and the educational significance of the suspended ground floor within the context of Civil

Engineering studies at Kwara State Polytechnic, Ilorin .

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Brown&White (2020) *emphasis the use of materials such polyethylene sheets or moisture resistant membranes to create an effective barrier between the ground and the suspended floor.* Chen et al (2017) *indicate that suspended ground levels can reduce heat transfer between the interior and the ground, thus helping maintain a more stable indoor temperature.*

Daerga P. A., Girhammar U. A., Källsner B. (2012): *“The Masonite Flexible Building System for Multi-Storey Timber Buildings. In: 12th World Conference on Timber Engineering.* Green Building Council (2021) *indicate that elevated platform can reduce the need for extensive excavation and minimize disturbance to the natural landscape, contributing to reduced environmental impact..*

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