

# CERTIFICATE OF COMPLETION

Number: 16 /CC/SEM-PLS-7/IDEALIBRARY/XI/2024

This is to certify that,

**Muhamad Husni Mubarak, S.Pd., M.IKom**

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has successfully completed the entire program of the mini online bootcamp titled  
**"SEM-PLS for Business Research - Batch 7"**  
conducted by Idealibrary Innovation Hub on the 23th and 24th of November 2024.  
The program comprised of 4 sessions spanning a total of 10 hours.

Issued on November 30th, 2024



**Shavina Rahma Faizaty**  
Program Manager

SESSION	DATE	TRAINING MATERIAL	DURATION
1	23.11.2024 09.00 - 11.30	<ul style="list-style-type: none"> <li>• Basic concepts of SEM</li> <li>• CB-SEM vs PLS-SEM</li> <li>• Introduction to SmartPLS interface</li> <li>• Data preparation and model drawing</li> <li>• Outer model analysis</li> <li>• Inner model analysis</li> <li>• Analysis result report</li> </ul>	2.5 Hours
2	23.11.2024 14.00 - 16.30	<ul style="list-style-type: none"> <li>• Model evaluation               <ul style="list-style-type: none"> <li>◦ Coefficient of Determination</li> <li>◦ Explanatory Power</li> <li>◦ Predictive Relevance</li> </ul> </li> <li>• Basic concepts of mediation and moderation</li> <li>• Mediation and moderation analysis</li> </ul>	2.5 Hours
3	24.11.2024 14.00 - 16.30	<ul style="list-style-type: none"> <li>• Basic concepts of higher-order construct (HOC)</li> <li>• Reflective vs Formative HOC model</li> <li>• HOC analysis with disjoint two stage approach method</li> <li>• HOC analysis result report</li> </ul>	2.5 Hours
4	24.11.2024 19.00 - 21.30	<ul style="list-style-type: none"> <li>• Multi-group Analysis</li> <li>• Enrichment of training material</li> <li>• Interactive data clinic</li> <li>• Discussion and question &amp; answer</li> </ul>	2.5 Hours