

Pathways and Precision: **CHARTING PHARMACY CAREERS AND UNVEILING LABPAL AT SMK TENGKU IDRIS SHAH**

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On June 16, 2026, SMK Tengku Idris Shah hosted an educational workshop at its Form 4 chemistry laboratories. Conducted by the Far-Max group, Kumpulan Inovatif dan Kreatif (KIK) UiTM 2026, the initiative exposed Form 4 and Form 5 science cohorts to contemporary laboratory technology. This endeavor



was successfully realised through the visionary leadership of school principal Mdm. Azwin Fairuz binti Ajidan.

To commence, chemistry lecturer representative Mr. Mohammad Hafizie Dianel bin Mohd Tazizi (Mr. Dian) delivered a keynote titled, “Journey to Become a Pharmacist Starting from SPM.” During the talk, Mr. Mohammad Hafizie Dianel outlined pathways to a Bachelor of Pharmacy (Hons) at UiTM. It highlighted vital SPM prerequisites, specifically a minimum Grade B in Chemistry, Physics, Biology, and Mathematics. Students also learned about pre-university routes requiring a minimum CGPA of 3.50, achieving MUET Band 3, and passing a faculty interview. This essential context preceded the unveiling of LabPal, an advanced instrument innovated by the Far-Max group to gauge the students’ tactile user experience.



The program transitioned to a hands-on demonstration comparing LabPal with conventional laboratory pipettes. The reception was exceptionally positive. Captivated by the seamlessly integrated technology, participants eagerly recounted operational challenges previously faced with traditional school pipettes. Many shared the practical challenges they had encountered when using traditional school pipettes, making the comparison particularly meaningful. Through this interactive demonstration, participants gained a clear appreciation of LabPal's ergonomic design, ease of use, and functional advantages in supporting laboratory learning.

Mr. Ahmad Assakir Ahmad Shukri and Mdm. Nur Fathiah Mohd Radzi introducing LabPal to students through an interactive hands-on session in the chemistry laboratory. Beyond introducing laboratory technology, the demonstration imparted the importance of precision in pharmaceutical science. Echoing the famous principle of the 16th-century physician Paracelsus—"The dose makes the poison"—students learned that even the slightest variation in the amount or concentration of a substance can profoundly affect its safety and effectiveness. This fundamental concept highlights why accuracy and precision are indispensable in pharmacy, where meticulous measurements can make the difference between a medicine that heals and one that causes harm.



Ultimately, this workshop bridged the divide between academic syllabi and the rigorous expectations of professional science. The workshop undeniably ignited the students' enthusiasm for STEM, inspiring future meticulous innovators.



LIVE EXPERIENCE BY THE STUDENT USING LABPAL WITH GUIDANCE OF MDM. SITI SARAZILA MOHAMMAD SHAFIEE.



STUDENT VOLUNTEERS ACTIVELY PARTICIPATING IN THE HANDS-ON LABPAL DEMONSTRATION.