



UNIVERSITI
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Cawangan Melaka

i-JAMCSIIX 2022

International Jasin Multimedia & Computer Science Invention and Innovation Exhibition

ABSTRACT BOOK

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Tadulak● University

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i-JaMCSIIX **2022**

International Jasin Multimedia & Computer Science Invention and Innovation Exhibition

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i-JaMCSIIX

Universiti Teknologi MARA Cawangan Melaka Kampus Jasin

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Web: <https://jamcsiix.wixsite.com/2022>

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The Development of Web-Based Student Leadership Program Management System for 'Unit Kepimpinan Pelajar'

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JM012 – Invention – Local – Category C: Students - UiTM Melaka

Abstract—In general, students are having problems registering for the program and filling out the attendance forms. Furthermore, students will send the information to their club adviser, who will subsequently distribute the list to UKP staff. This process takes time since the UKP staff must first trace the names of students who have already attended the program. First problem has been solved since this system allows students to scan QR codes to update their attendance and also allows students to register for or cancel the program. Aside from that, they still manage and store all of the information manually. It is not an effective way of managing the data. This second issue has also been resolved, as this system allows UKP staff to save all UKP data in the database, making it easier for them to access previous data. The procedure of distributing certificates to students is also complicated. Normally, UKP staff must first check the names of students to ensure that there is no redundancy during the distribution of certificates. This third problem has also been resolved since the system makes it easier for UKP staff to approve student attendance and automatically generate certificates, then given to students through email as a certificate notification, which can already be downloaded from the website. As a result, having a systematic platform can help the process become smoother and more efficient. The Waterfall Model is being used to develop this system. Thus, the data can be well maintained and utilized over one platform.

Keywords—*Web-Based, Leadership, Management System*