

**ABSTRAK PITEX 2020**  
**UNIT PENYELIDIKAN DAN INOVASI**  
**POLITEKNIK SULTAN SALAHUDDIN ABDUL AZIZ SHAH**

**KIMPALAN BEG(WELDING BEG)**

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Every year request from the customer related to welding job increases due to rapid development of building and improvement of equipment to fulfil current needs. Since there is high request from the buyer, welders seems busy to complete the task in certain period of time. During the working session welders faced problems to settle it and the job become procrastinated and so do other assigned job. This matter seems to be unsolved and became an issue among other welders. Our main Therefore this research carried out to discuss about the solution of the problems for the welders. Welder has to bring welding equipment separately when doing welding job at working site whether at high level site or ground site. Welders tend to misplace equipment and lose it when doing the job. To help welders in doing its job at high place and helps in equipment arrangement for easier equipment access and assist during critical or injury when working by visit the welding factory to observe the problems that welders faced when perform their works at high place. When we surveyed some of the welders, they stated that the problem when doing welding work was that they had to carry welding equipment separately while doing welding work at work either on high level or ground site and welders tend to place equipment and lose it while performing tasks. This could hold them back from completing the task given in period of time. We recommend welding bags that can carry many welding tools to ensure the safety of the welders when perform their work at high place.