

**PERMASALAHAN KHAS PPRN 2018
Demand-Driven Innovation Project by Public-Private Research Network (PPRN)
Ministry of Education Malaysia**

PPRN c/o Entrepreneurship Unit, Level 13, No.2, Tower 2, P5/6 Avenue, Precinct 5, 62200 Putrajaya

NO	COMPANY PERSON INCHARGE	PROBLEM /TECHNOLOGICAL NEEDS	SECTOR AS PER SUBMISSION	MATCHING SESSION
1)	<p>RN KELUARGA (ZHAARS MUNJIL) Zulkarnain Hj Hamid rnkeluarga@gmail.com 014-6999684</p> <p>Location: Lawas, Sarawak</p>	<p><u>FISH FILLET MACHINE</u> Problem: The company produces ikan tahai (ikan salai) based products in Sarawak. With these ikan tahai, the company also produces other product such as sambal tahai, satay tahai and crispy cheese tahai. Currently the company uses manual method to separate the fillet from the fish which takes 5 days to complete.</p> <p>Technological need: The company needs a technology that can isolate the fish fillet from the skin, bones and head to increase their productivity and reduce the operational cost.</p>	Manufacturing	Redistribute – Direct Match
2)	<p>YUSNIZA ENTERPRISE Yusni Binti Lani niza4620@gmail.com 012-8717009</p> <p>Location: Miri, Sarawak</p>	<p><u>MESIN MENGUPAS UBI KAYU</u> Problem: The company manufacture various types of chips and crisps such as tapioca chips, banana chips & yam. They uses manual method to peel the raw material which is time consuming and requires many workers. The product that received a lot of request is tapioca chips. Currently the company needs 3 workers to peel 100kg of tapioca.</p> <p>Technological need: The company need a technology to reduce the time and workers needed to peel tapioca.</p>	Manufacturing	Redistribute – Direct Match

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3)	<p>NUZUL ENTERPRISE Hamdan bin Razali neqrhaz@gmail.com 019-8281708</p> <p>Location: Kuching, Sarawak</p>	<p><u>MESIN MEMANGGANG IKAN BILIS</u> Problem: Syarikat menghadapi masalah dalam proses memanggang ikan bilis. Masa diambil untuk memanggang 40kg ikan bilis adalah sekitar 8 jam. Syarikat juga perlu membalik-balikkan ikan bilis setiap 30 minit untuk memastikan ikan bilis tidak hangus.</p> <p>Technological need: Syarikat memerlukan inovasi mesin untuk memanggang ikan bilis tanpa pengawasan pada suhu 80°C. Mesin boleh membalik-balikkan ikan bilis 1/2jam secara automatik supaya ikan bilis tidak hangus dan masak dengan sekata.</p>	Manufacturing	Redistribute – Direct Match
4)	<p>AL RIDHWEE HOLDINGS (M) SDN BHD Rosman bin Ramli alridhwee@gmail.com 019-5080022</p> <p>Location: Alor Setar, Kedah</p>	<p><u>KUIH LOYANG</u> Problem: Proses pengeluaran kuih loyang dibuat secara manual di mana seorang pekerja mahir perlu mencelup kerangka 100 acuan loyang ke dalam adunan sebelum di goreng di dalam minyak panas. Pekerja juga perlu menggoyangkan kerangka loyang semasa proses menggoreng.</p> <p>Technological need: Syarikat memerlukan satu teknologi untuk mencelup kerangka 100 acuan loyang dan memindahkan ke tempat menggoreng secara automatik bagi mengurangkan kos tenaga mahir disamping berupaya untuk menambah pengeluaran.</p>	Manufacturing	Redistribute – Direct Match

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5)	<p>EURO-CIRCUIT TECHNOLOGY SDN BHD Nurul Izni Binti Abdullah Halid euro_circuit@yahoo.com.my 019-3690601</p>	<p><u>BIODEGRADABLE WATER-BASED DEGREASER</u> Problem: 1) Bio-Solv is water based 100% biodegradable degreaser (oil dispersant). During oil cleaning process, especially tank cleaning, a certain amount of Bio-Solv solution will be used. After first cycle of cleaning process, the percentage might be reduced due to usage of surfactant. In order to go for next cycle of cleaning, user need to use the same amount of Bio-Solv solution to maintain the cleaning efficiency. Currently, user have to replace 100% of the solution because the product did not have any indicator to determine the percentage/concentration left after cleaning process. This is important to enhance the effectiveness of the product which can be top up with the diluted solution that can help the user maintain the cleaning efficiency and cost effective. Conventional method using titration is not accurate and time consuming.</p> <p>Technological needs: 1) Need to find suitable method to measure the concentration/percentage of Bio-Solv solution used after cleaning so it will help the company to determine the suggested percentage to be add up and at the same time will remain the cleaning efficiency.</p>	Manufacturing	Redistribute – Direct Match

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6)	<p>ROZERIYA ENTERPRISE Zariah Ibrahim Rozain Ismail hairaz1234@yahoo.com 017-9593309</p> <p>Lokasi: Kuala Krai, Kelantan.</p>	<p><u>MAKANAN SEJUK BEKU (POPIA CENDAWAN BERKRIM)</u> <u>Problem:</u> Syarikat menghasilkan produk popia cendawan berkrim secara manual. Proses manual menyebabkan kuantiti inti yang diletakkan ke dalam popia tidak sekata serta mengehadkan pengeluaran. Syarikat hanya mampu menghasilkan 3000 biji popia sehari dengan menggunakan tenaga kerja seramai 4 orang.</p> <p><u>Technological need:</u> Syarikat memerlukan sebuah teknologi semi-automatik yang boleh mengisi inti popia iaitu cendawan berkrim dan seterusnya menggulung popia tersebut dengan saiz dan berat yang sama.</p>	Manufacturing	Redistribute – Direct Match