



MINISTRY OF INTERNATIONAL TRADE AND INDUSTRY  
DEPARTMENT OF STANDARDS MALAYSIA

# ANNUAL REPORT

2021

25  
years

1996

2021





## VISION

Accepted by Malaysians,  
Recognised by the World



## MISSION

To provide credible standardisation and accreditation services to facilitate international trade, develop industry competitiveness towards enhanced economic growth, societal and environmental well-being

## AT A GLANCE

Governed by the Standards of Malaysia Act 1996 (Act 549), the Department of Standards Malaysia is an agency under the Ministry of International Trade and Industry (MITI), established on 28 August 1996.

Department of Standards Malaysia is the National Standards and Accreditation Body of Malaysia. We are responsible for developing and promoting Malaysian Standards (MS), as well as providing accreditation services to conformity assessment bodies such as laboratories, certification bodies and inspection bodies. The main focus of our services is to develop the local industry, facilitate trade and drive the country's economic growth through standardisation and accreditation activities.



# TOP MANAGEMENT



**Shaharul Sadri Alwi**  
Director General



**Hussalmizzar Hussain**  
Senior Director of Standardisation



**Wan Rukiman Wan Mamat**  
Director of Accreditation



**Nor Latifah Hussin**  
Director of Strategic Planning



**Aruna Mat Kesumin**  
Director of Management Services

# FOREWORD

2021 has witnessed the persisting challenges posed by the COVID-19 pandemic as we continue to adapt to the new normal. Nevertheless, it did not stop us at the Department of Standards Malaysia from celebrating our 25th anniversary on 28 August 2021 all year long with activities to commemorate 25 years of our persevering work in the development and promotion of standards, as well as our accreditation services to provide recognition of competency for our clients. As the Director-General, I am very proud of the resilience demonstrated by my staff and officers in this challenging time.

Among our main achievements in 2021 are maintaining our signatory status in both Asia Pacific Accreditation Cooperation (APAC) and International Laboratory Accreditation Cooperation (ILAC) Mutual Recognition Arrangements (MRAs) as well as being elected as an ISO Council Member from the year 2022 until 2024. The Department of Standards Malaysia was also awarded with the Active Regulator Award/Unified Public Consultation (UPC) by Malaysia Productivity Corporation (MPC). These achievements represent critical milestones which highlight our position as the champion of standardisation and accreditation activities in our nation.

At the Department of Standards Malaysia, we always focus on delivering our tasks regardless of the obstacles we face and we continue to strive our best in maintaining the quality of our services to our clients and also our stakeholders. With the competence of our staff, technical experts, and assessors, we manage to provide excellent services in facilitating and empowering Malaysia's economic growth. Together we are stronger!

**SHAHARUL SADRI BIN ALWI**  
Director General  
Department of Standards Malaysia



# Main Highlights





## Halal Tour 2021

The MS Halal 2021 Tour Program was held in collaboration with the Islamic Religious Department of Johor, Sarawak, Kedah and Selangor in October and November. In conjunction with this program, several seminars were held as part of this program, which are Seminars on Halal Food Products and Premises as well as Halal Cosmetics. This program was also done with the cooperation of the Department of Islamic Development Malaysia (JAKIM), Food Safety & Quality Division (BKMM), Ministry of Health Malaysia (MOH) and the National Pharmaceutical Regulatory Division (NPRD).



The MS Halal 2021 Tour Program aims to assist the halal food products and premises industry in the four (4) states to meet the requirements of MS 1500:2019 and MS 2634:2019 which have come into force together with two (2) other halal certification reference documents namely the Malaysian Halal Certification Procedure Manual (MPPHM) and the Malaysian Halal Management System (MHMS).

## Launching of MS 2714:2021 Kenaf fibre - Classification and MS 2715:2021 - Kenaf fibre - Test Methods for Physical Properties



Malaysian Standards (MS) on Kenaf Fibre have been developed by the Working Group on Kenaf Fibre (NSC V/TC 3/WG 3). This WG consists of representatives from NKTB, MTIB, UPM, USM, FRIM and representatives of the kenaf industry. MS 2714:2021 and MS 2715:2021 have been approved by the Senior Minister of the Ministry of International Trade and Industry (MITI) on 15 June 2021.

The publication of this MS is very important for the kenaf industry as a standard reference in developing and strengthening the kenaf industry and it will also be used as a reference at the domestic and international levels.

The Director General of the Department of Standards Malaysia, Mr. Shaharul Sadri bin Alwi presented the MS document to the Director General of the National Kenaf and Tobacco Board (NKTB), Tn. Hj. Idris bin Mohd Salleh was held on 3 October 2021 at the NKTB Headquarters and witnessed by the Minister of Plantation Industries and Commodities, YB Datuk Hajah Zuraida binti Kamaruddin.

## ISO Council Member 2022-2024

In the 43<sup>rd</sup> ISO General Assembly which was held virtually on 22-24 September 2021, Malaysia, through the Director General of Department of Standards Malaysia, Mr. Shaharul Sadri bin Alwi was elected by ballot as a member of the ISO Council for the term 2022-2024 along with TSE (Turkey). This appointment is a proud achievement for Malaysia where our country is among the 20 countries which is given the responsibility to set the direction, policies and procedures, as well as matters related to ISO membership.



## MS on Primary Healthcare Laboratories

MS 2702:2020 - Primary Healthcare Laboratories: Requirements for quality competence is a Malaysian Standard (Indigenous) which has been approved by YB Senior Minister of International Trade and Industry (MITI) on 14 October 2020 and it is the main reference document for the Primary Healthcare Laboratories Accreditation Scheme (PHLAS) which was launched on 1 February 2021.



An online Awareness Workshop for MS 2702 was held on 1 March 2021 and was attended by 210 participants who are Medical Officers, Science Officers and Medical Laboratory Technologists throughout Malaysia. The speaker for the workshop was Madam Fariza Wan Abdullah from Accreditation Division, Department of Standards Malaysia. The objective of this workshop is to provide initial exposure to the requirements stated in MS 2702 and the implementation of the PHLAS scheme.



## JAKIM Receives ISO/IEC 17065 Accreditation Recognition from Department of Standards Malaysia

In celebrating the success of the Department of Islamic Development Malaysia (JAKIM) in obtaining accreditation based on the international standard ISO/IEC 17065, a ceremony to present the certificate was held at the Main Studio, Kompleks Islam Putrajaya.

The ceremony was officiated by YB Senator Datuk Dr. Zulkifli bin Mohamad al-Bakri, Minister in the Prime Minister's Department (Religious Affairs) and was also attended by the Director General of JAKIM and the Director General of the Department of Standards Malaysia along with senior officials from both Departments.

For information, the scope of ISO/IEC 17065 accreditation obtained by JAKIM is for the certification of food and beverage products, food premises such as hotels and restaurants as well as certification for animal slaughterhouses. In the future, the scope of this accreditation will be further expanded to other halal certification schemes.



## 1,000 Accredited Laboratory Achievement

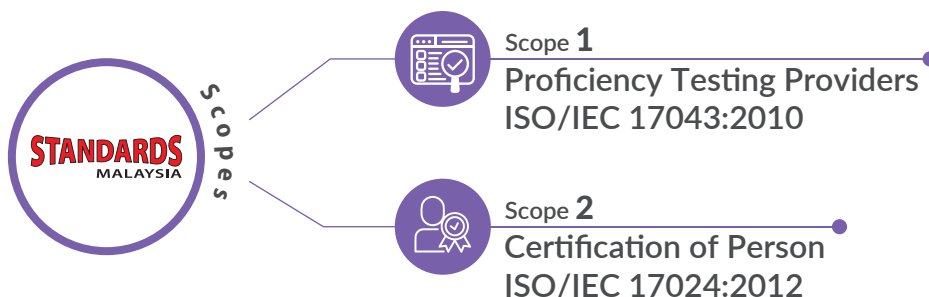
18 February 2021 marks another milestone for SAMM since its establishment on 1 July 1987. Northern Regional Laboratory JKR Miri is the 1000<sup>th</sup> lab accredited under this scheme. Another achievement unlocked in conjunction with the celebration of the 25<sup>th</sup> Anniversary of Department of Standards Malaysia.



## APAC Peer Evaluation 2020

Conducted from 5 – 9 October 2020 remotely due to the pandemic. Witnessing exercise is also conducted remotely from February - April 2021.

Following the APAC Peer Evaluation, Department of Standards Malaysia had successfully extended its MRA scope to include the following:



## Mutual Recognition Arrangement (MRA) Certificates



### Mutual Recognition Arrangement (MRA) Certificate

In accordance with ISO/IEC 17011:2017 and the procedures of the Asia Pacific Accreditation Cooperation Incorporated (APAC), APAC hereby confirms the following APAC Member is a signatory to the APAC MRA:

#### Standards Malaysia

for the scopes and sub-scopes of

|           |   |                  |
|-----------|---|------------------|
| Scope     | Calibration ISO/IEC 17025                               | 13 Nov 2003      |
| Scope     | Inspection ISO/IEC 17020                                | 17 Jun 2015      |
| Scope     | Medical Testing ISO 15189                               | 18 Apr 2007      |
| Scope     | Management Systems Certification ISO/IEC 17021          | Sub-scopes below |
| Sub-scope | Environmental Management Systems EMS                    | 31 Dec 2005      |
| Sub-scope | Food Safety Management Systems FSMS                     | 21 Jun 2017      |
| Sub-scope | Information Security Management Systems ISMS            | 21 Jun 2017      |
| Sub-scope | Medical Device Quality Management Systems MDQMS         | 25 Mar 2019      |
| Sub-scope | Occupational Health and Safety management Systems OHSMS | 21 Feb 2019      |
| Sub-scope | Quality Management Systems QMS                          | 05 Nov 1998      |
| Scope     | Person Certification ISO/IEC 17024                      | 21 Aug 2021      |
| Scope     | Product Certification except GlobalGAP ISO/IEC 17065    | 16 Jun 2009      |
| Scope     | Proficiency Testing Providers ISO/IEC 17043             | 21 Aug 2021      |
| Scope     | Testing ISO/IEC 17025                                   | 14 Nov 2002      |

Signed on behalf of APAC by:

**Ms. Chang Kwei Fern**  
APAC Chair  
Date: 21 August 2021

APAC Secretariat  
PO Box 5154, South Turramurra, NSW 2074, Australia  
Tel: +61 466 262 370, Email: [apac@apac-accreditation.org](mailto:apac@apac-accreditation.org)  
Web: [www.apac-accreditation.org](http://www.apac-accreditation.org)

New Zealand Society Number: 1477392

Australian Business Number (ABN): 32 287 148 834



### ILAC MUTUAL RECOGNITION ARRANGEMENT

#### SIGNATORIES

We, the undersigned, endorse the terms of the ILAC Arrangement and undertake, to the best of our ability, fulfillment of its objectives.

**Accreditation Body:** Department of Standards Malaysia

**Economy:** Malaysia

**Scope and date:** Testing ISO/IEC 17025 – 16 January 2003  
Testing ISO 15189 – 16 January 2003  
Calibration ISO/IEC 17025 – 19 November 2003  
Inspection ISO/IEC 17020 – 2 July 2015  
Proficiency Testing Providers ISO/IEC 17043 – 20 September 2021

**Authorised Representative:**

**Signature:** **Date:** 29 September 2021

**Chair, ILAC Arrangement Council:**

**Signature:** **Date:** 29 September 2021  
Ety Feller

Annex A: Signatory Sheet, ILAC MUTUAL RECOGNITION ARRANGEMENT

## Regional and International Recognition for Accreditation



- 5 Nov 1998 Quality Management System (QMS)
- 14 Nov 2002 Testing
- 13 Nov 2003 Calibration
- 31 Dec 2005 Environmental Management System (EMS)
- 18 Apr 2007 Medical
- 16 Jun 2009 Product except GlobalGAP
- 17 Jun 2015 Inspection
- 21 Jun 2017 Information Security Management System (ISMS)
- 21 Jun 2017 Food Safety Management System (FSMS)
- 21 Feb 2019 Occupational Health & Safety Management System (OHSMS)
- 25 Mar 2019 Medical Device Quality Management System (MDQMS)
- 21 Aug 2021 Person Certification
- 21 Aug 2021 Proficiency Testing Providers



- 29 Sep 1999 Quality Management System (QMS)
- 9 Feb 2006 Environmental Management System (EMS)
- 9 July 2009 Product except GlobalGAP
- 17 Jun 2015 Inspection
- 13 July 2017 Information Security Management System (ISMS)
- 13 July 2017 Food Safety Management System (FSMS)
- 21 Jun 2019 Medical Device MS
- 20 May 2020 Occupational Health & Safety Management System (OHSMS)
- 12 Oct 2021 Person Certification



- 16 Jan 2003 Testing
- 16 Jan 2003 Medical Testing
- 19 Nov 2003 Calibration
- 2 July 2015 Inspection
- 20 Sept 2021 Proficiency Testing Providers

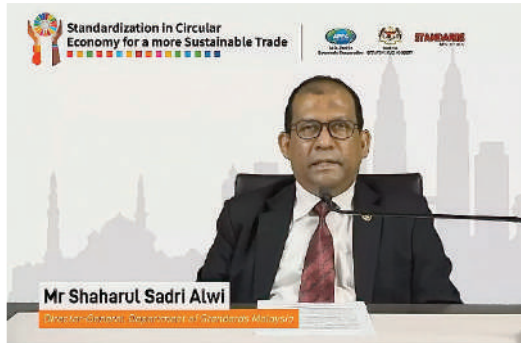


- 29 Mar 2013 Non-member full adherent to OECD System of Mutual Acceptance Data

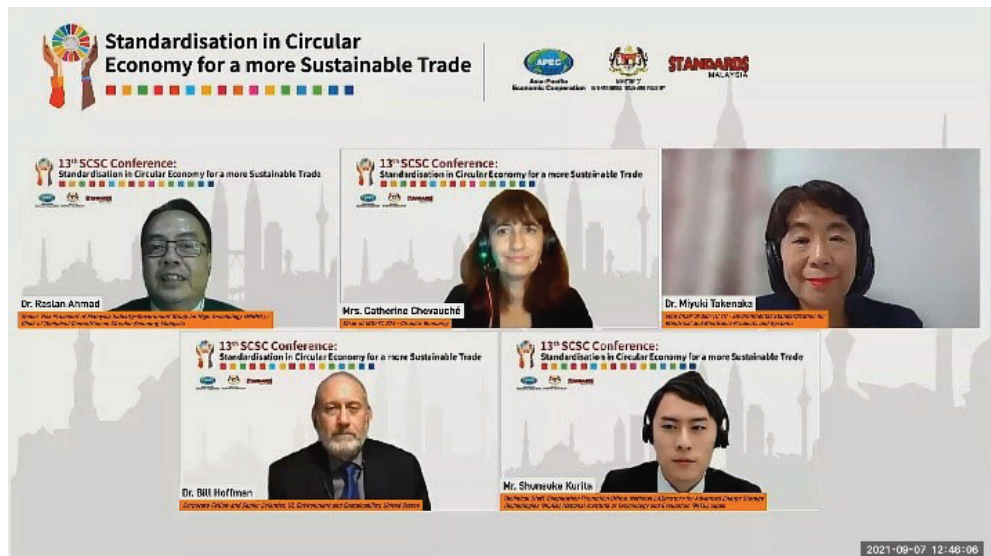


## APEC 13<sup>th</sup> SCSC Conference: Standardisation in Circular Economy for a More Sustainable Trade

99 representatives among policy makers, standards bodies and industries across the Asia-Pacific region participated in the conference. Speakers from the ISO, IEC, WTO, OECD, ASEAN and some APEC economies have shared their knowledge and practices, as well as challenges and opportunities in implementing standardisation in circular economy to facilitate trade.



Among the discussion topics of the panels are Circular Economy Initiatives by Standards Developing Organisations, APEC Economies' Approaches to Circular Economy Policymaking, Standards and Conformance Supporting International Trade, Sustainability and Circular Economy, and Good Practices on Use of Standards and Conformance in Industry to Support Circular Economy in APEC Economies.



## APEC Workshop on Understanding the Role and Impact of Voluntary Sustainable Standards (VSS) to Trade in the APEC Region

All 21 APEC member economies were invited (APEC Member Economies' stakeholders, policy makers, regulators, accreditation bodies, certification bodies, private sector and industry associations). Discussed sharing of best practices on implementation of VSS by APEC member economies.

Participants from APEC member economies gained better understanding on the various VSS implemented in various industry sectors in APEC, learned best practices in implementing VSS, and discussed issues related to implementation of VSS at the regional level.

**APEC WORKSHOP**  
**UNDERSTANDING THE ROLE AND IMPACT OF VOLUNTARY SUSTAINABLE STANDARDS (VSS) TO TRADE IN THE APEC REGION**

**14 - 16 SEPTEMBER 2021**  
**KUALA LUMPUR, MALAYSIA**  
**VIRTUAL EVENT**

**STANDARDS MALAYSIA**

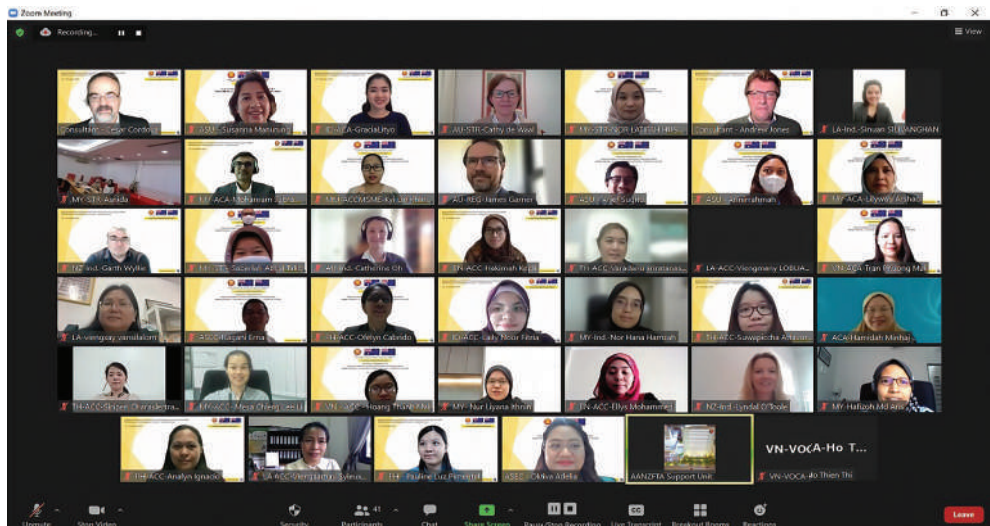
**UNFSS**

## Regional Workshop on “STRACAP Work Plan Implementation Programme (SWIP) Work Stream 1: Good Regulatory Practice – Cosmetics Sector”

The Regional Workshop on SWIP Work Stream 1: Good Regulatory Practice – Cosmetics Sector” is a project under the AANZFTA Economic Cooperation Support Programme (AECSP), hosted by Malaysia from 20 to 22 October 2021. ASEAN member Countries, Australia and New Zealand also participated in the workshop.

The regional workshop aimed to provide an opportunity for sectoral regulators on cosmetics, cosmetics industry representatives, including Micro, Small, Medium Enterprises (MSMEs), and Sub Committee-Standards, Technical Regulations And Conformity Assessment Procedures (SC-STRACAP) members to discuss their regulatory objective and regulatory implementation based on the desk-based research report by the consultants, and how they may be able to diminish the occurrence of Technical Barrier to Trades (TBTs) arising from inconsistent delivery of regulation.

A total of 44 regulators and business representatives from the cosmetics industry in ASEAN, Australia, and New Zealand, together with members of the AANZFTA Sub-Committee on Standards, Technical Regulations and Conformity Assessment Procedures (SC-STRACAP), convened virtually this Regional Workshop.



## Pertandingan Pembudayaan Standard & Kualiti Kebangsaan 2021

Pertandingan Pembudayaan Standard & Kualiti Kebangsaan 2021 was held on 1 September to 15 October 2021. The competition is one of the public engagements programmes that aimed to inculcate and raising awareness on the importance of standards and quality in daily life amongst the younger generations. It also aimed to increase our visibility to the public and familiarise the younger generation with our functions and services.



## Standards Compliance Stewardship Programme for Enterprises (ESCAPE)

ESCAPE aims to help the industries to comply with standards through technical training and expert advisory services. ESCAPE is inspired to create quality-conscious industries which will embed standards as enabler through 5 main phases which are awareness, standards interpretation, risk assessment, internal audit and certification.

Throughout the year 2021, ESCAPE has successfully organised 9 series of workshop to assist industries in 3 main strategic sectors which are:



- Road Traffic Safety Management Systems (RTSMS) based on MS ISO 39001:2013. Six (6) commuting/ transportation activities-based companies have participated which included ambulance services, expressways operator, terminal erator and companies that handling their own vehicle for daily businesses operation. Implementation of RTS are align with National Transport Policy 2019-2030 to reduce deaths and prevent avoidable and critical injuries on the road.
- Business Continuity Management Systems (BCMS) based on ISO 22301: 2019. Four (4) conglomerate and critical services-based companies have participated which included ports & logistics operator, engineering-based infrastructure services and air conditioning provider. Implementation of BCMS help companies to maintain sustainability and improve their action to respond, protect, repair, restore and resume operations of the companies when an incident of disruption or threat occurs such as during the current global Covid-19 pandemic situation.

- Halal Food based on MS 1500:2019. Sixteen (16) food-services based companies have participated which included food premises and food products facilities. Implementation of Halal Food Standard in the industries are aligned with the country's goal towards growing the Malaysian halal industry more widely through halal recognition of food service providers and the halal products.

## Strategic Plan 2022-2025 Department of Standards Malaysia

The Strategic Plan 2022-2025 Department of Standards Malaysia is the key document to set vision, mission, long term goals, priorities, strategies, objectives and the related action plans for the next four years. The document is aligned to the 12<sup>th</sup> Malaysia Plan, The Shared Prosperity Vision 2030, UN Sustainable Development Goals and other relevant national policies such as The National Strategy on I4.0, The Digital Economy Blueprint and The National Trade Blueprint. The document is also referring to the recommendations set in the impact study on the usage of standards to the Malaysian Economy 2020.



The strategies were designed to provide focus on visibility of Department of Standards Malaysia as the leading agency to promote National Quality Infrastructure (NQI). This is an integral strategic move to strengthen the awareness on NQI as the key enabler to facilitate domestic and international trade, increase safety, health and quality of living for the Rakyat and sustainable development goals. The document is also giving focus to strengthen the core services delivery to enhance the performance-driven culture in Department of Standards Malaysia. Branding and promotion formed a strategic thrust on its own to emphasize effort on effective promotional activities in focus sectors identified in the 12<sup>th</sup> Malaysia Plan such as Electrical and Electronics, Halal, Tourism and healthcare. This is to enhance general awareness on standards and conformance and to inculcate quality culture among Malaysians in all walks of life. Talents development has always been an important agenda for Department of Standards Malaysia. Strategies to enhance knowledge and technical competencies among officers remain to be an important agenda in the document. This is to ensure Department of Standards Malaysia will remain robust and agile with current development and new emerging technology.



## 100 Days of Aspirasi Keluarga Malaysia

100 Days Aspirasi Keluarga Malaysia exhibition was held at the Kuala Lumpur Convention Center (KLCC) from 9 to 12 December 2021. The event was officiated by Prime Minister, Dato' Sri Ismail Sabri bin Yaakob. The exhibition also showcases the successes and achievements of all 25 Ministries. The Department of Standards Malaysia also participated in this exhibition together with other agencies under the leadership of MITI.

Among the activities carried out were showcasing the information related to Department of Standards Malaysia's latest services, which is the MySQL System (purchase and access of Malaysian Standards documents), and also distribution of Department of Standards Malaysia's official souvenirs to lucky visitors.



## JSM Prihatin - CSR Flood Victims

Kelab Sukan & Kebajikan Jabatan Standard Malaysia (in collaboration with Majlis Bersama Jabatan Standard Malaysia) has worked together to hold a *gotong-royong* to help cleaning the houses of staff affected by the recent floods. Various assistance was also offered to all victims affected. Some of the houses were badly affected and with the assistance provided in terms of physically and financially, it is hoped that the donations will be able to alleviate the burden.



## Special Edition Souvenir - 25<sup>th</sup> Anniversary Celebration of the Department of Standards Malaysia

28 August 2021 is the 25<sup>th</sup> Anniversary Celebration of the Department of Standards Malaysia with the theme “Standards and Accreditation: 25 Years of Excellence”. In this regard, special edition souvenirs such as flasks and thermos were distributed to all staff as a token of appreciation.



## CSR at Hospital Serdang

Considering the current situation, the Department of Standards Malaysia (in collaboration with Kelab Sukan & Kebajikan) has taken the initiative to celebrate the 25<sup>th</sup> anniversary of its establishment on 28 August 1996 by distributing and handing over donations to the frontliners of Hospital Serdang. The theme “Standards and Accreditation: 25 Years of Excellence” expected to inspire the frontline workers to continue to excel in their field of work

Donations in the form of dried food items, bread, biscuits and beverages as well as promotional items from the Department of Standards Malaysia were given to the representatives from Hospital Serdang. The Director General, Mr. Shaharul Sadri bin Alwi also thanked the frontliners of Hospital Serdang who have never been tired in carrying out their responsibilities.



## National Sports Day 2021

9 October was declared as the National Sports Day. The government has taken proactive steps in transforming Malaysia into a sporting nation and into a healthy living culture.

The Department of Standards Malaysia also organised a Sports Day with the theme of “Move Your Body Day at JSM.” Various sports and leisure activities were conducted in each division such as aerobics, zumba and jogging. The Director General in his speech encouraged all JSM staff to actively participate in physical activities like these and to always maintain a healthy lifestyle.





STANDARDS  
MALAYSIA

# "MOVE YOUR BODY DAY AT JSM"

SEMPENA HARI SUKAN NEGARA 2021

8 Oktober 2021  
(Jumaat)

Sepanjang Hari

Mengikut Bahagian  
Masing-masing

# HARI SUKAN NEGARA



# Standardisation





# STANDARDISATION

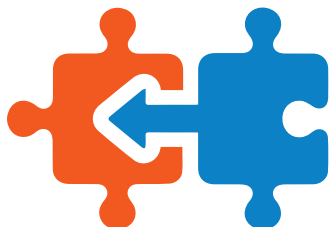
## Number of Malaysian Standards (MS) by Sectors

|   |            |   |
|---|------------|---|
|    | <b>169</b> | Agriculture   |
|    | <b>565</b> | Chemicals and Materials                                   |
|    | <b>3</b>   | Consumer Interests  |
|    | <b>387</b> | Buildings, Construction and Civil Engineering             |
|    | <b>448</b> | Power Generation, Transmission and Distribution of Energy |
|    | <b>222</b> | Mechanical Engineering                                    |
|    | <b>192</b> | Information Technology, Communications and Multimedia     |
|    | <b>205</b> | Petroleum and Gas   |
|    | <b>35</b>  | Halal Standards   |
|    | <b>393</b> | Plastics and plastic Products                             |
|    | <b>82</b>  | Packaging and Logistic                                    |
|    | <b>216</b> | Transport   |
|    | <b>101</b> | Fire Safety   |
|   | <b>151</b> | Rubber and Rubber Products                                |
|  | <b>251</b> | Metallic Materials and Semi-Finished Products             |
|  | <b>34</b>  | Textiles and Apparels                                     |
|  | <b>278</b> | Medical Devices and Facilities for Healthcare             |
|  | <b>368</b> | Electrical and Electronics Equipments and Accessories     |
|  | <b>14</b>  | Tourism, Exhibition and Hospitality Services              |
|  | <b>326</b> | Food and Food Products                                    |
|  | <b>86</b>  | Timber, Timber Products and Timber Structure              |
|  | <b>126</b> | Occupational Safety and Health                            |
|  | <b>13</b>  | Oil Palm and Its Products                                 |
|  | <b>95</b>  | Quality and Organisational Management                     |
|  | <b>94</b>  | Environmental Management                                  |

Total  
**4,854**

Percentage of Alignment to International Standards

46.7%

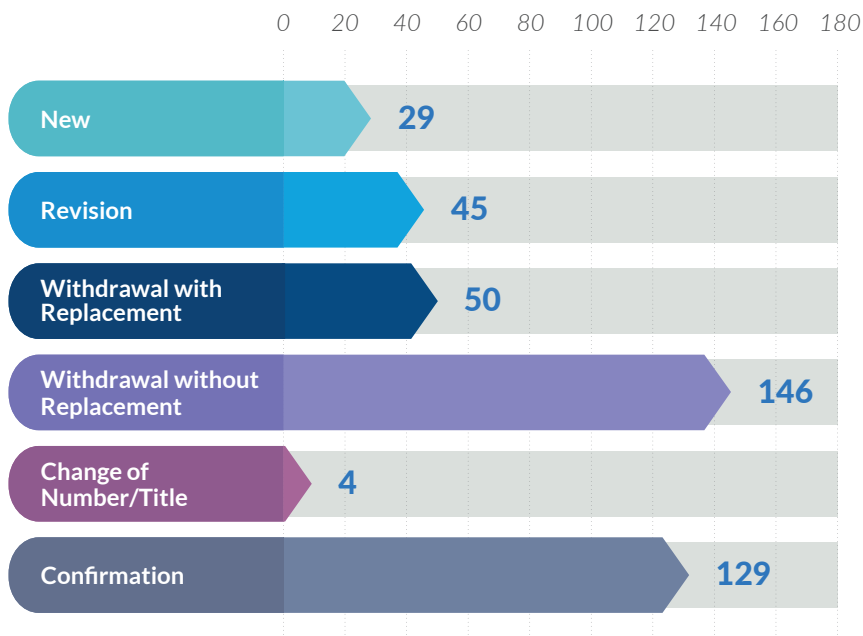


Percentage of Identical to International Standards

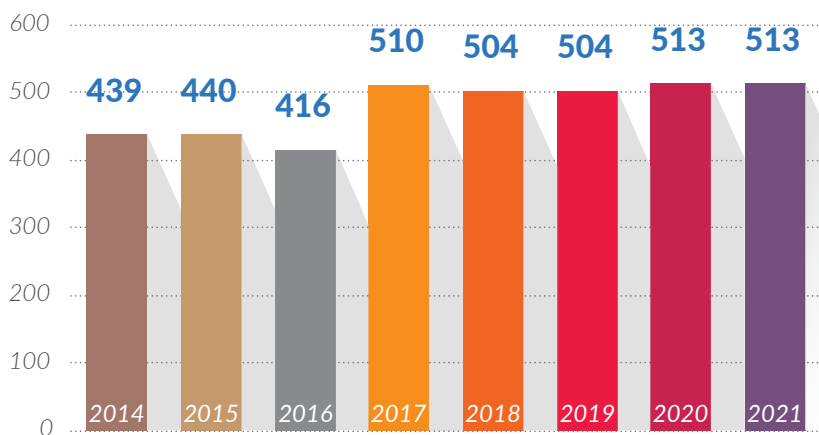
42.3%



### MS Development in 2021



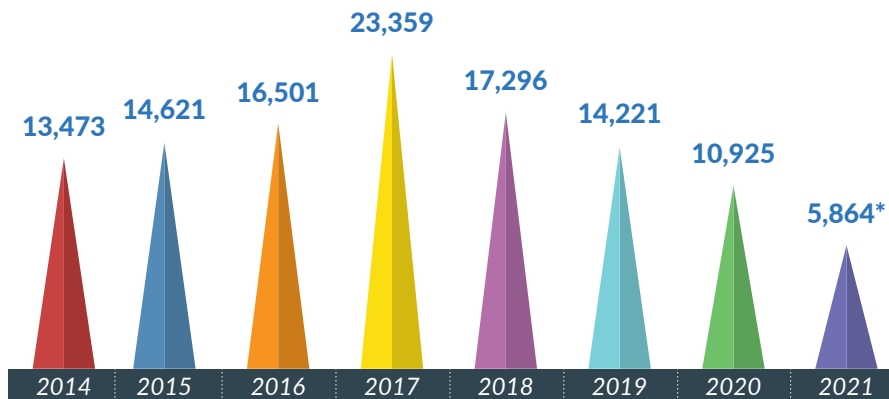
## Number of Mandatory Standards



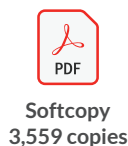
## Committees and Experts in Standardisation



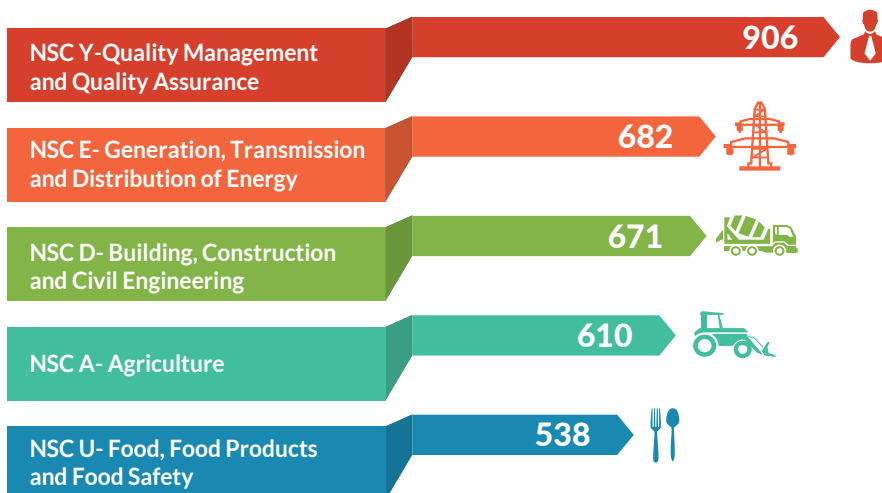
## Number of MS Sold



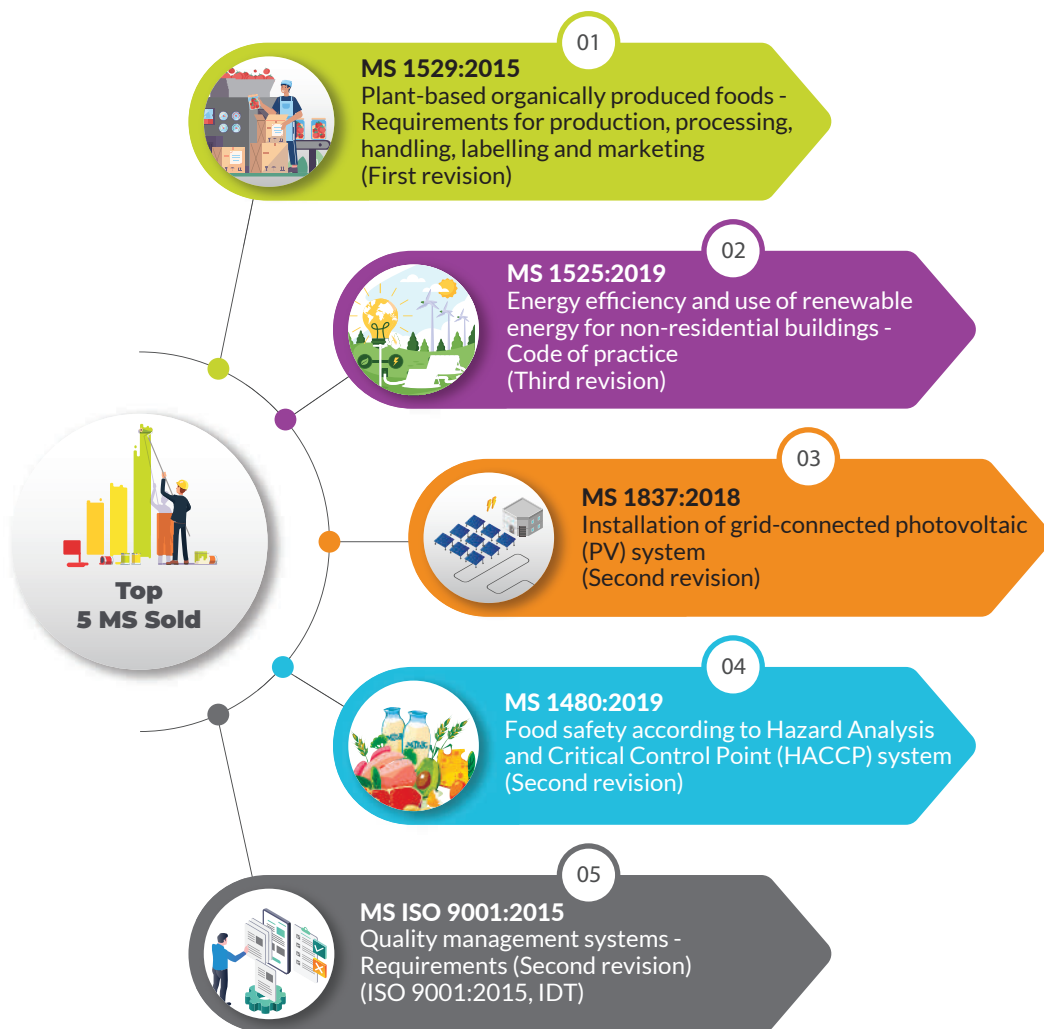
\* Number of MS sold in year 2021:



## Top 5 Sectors of MS Sold



## Top 5 MS Sold



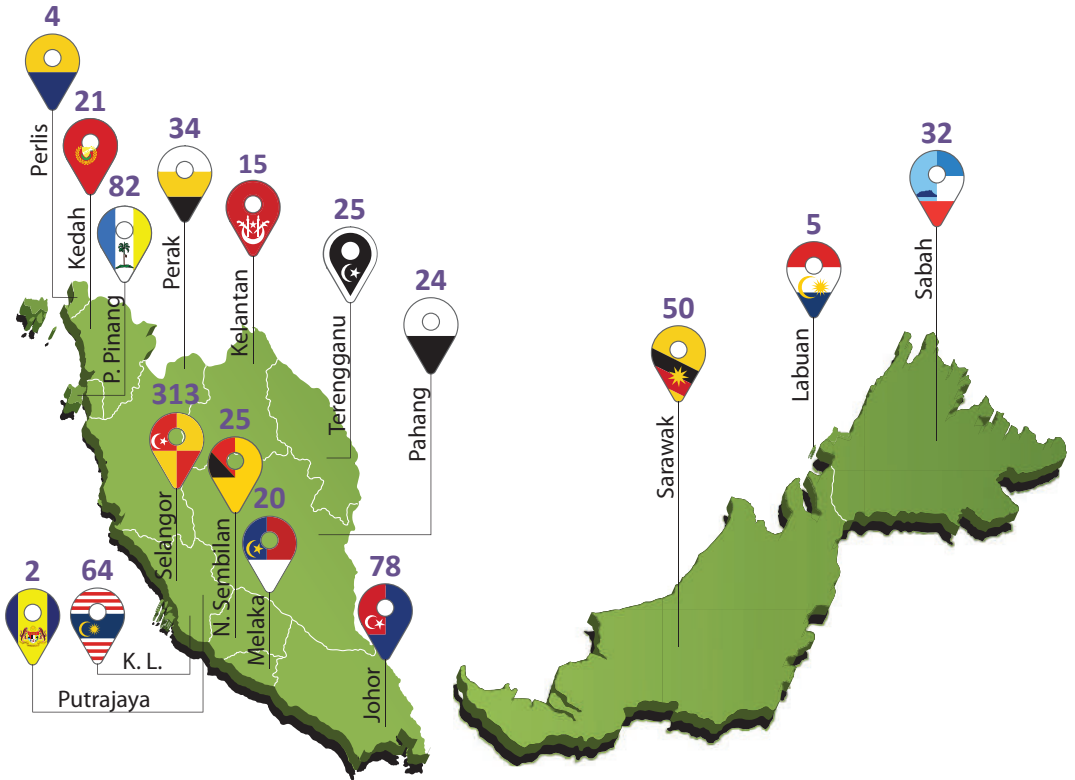
# Accreditation



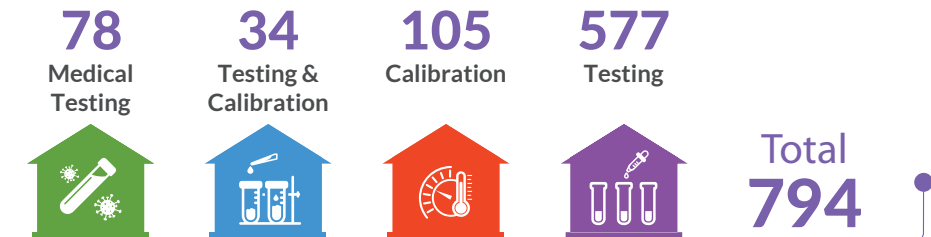


# ACCREDITATION

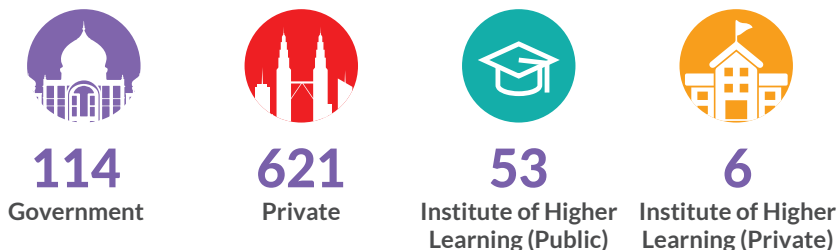
## Accredited Laboratories by States



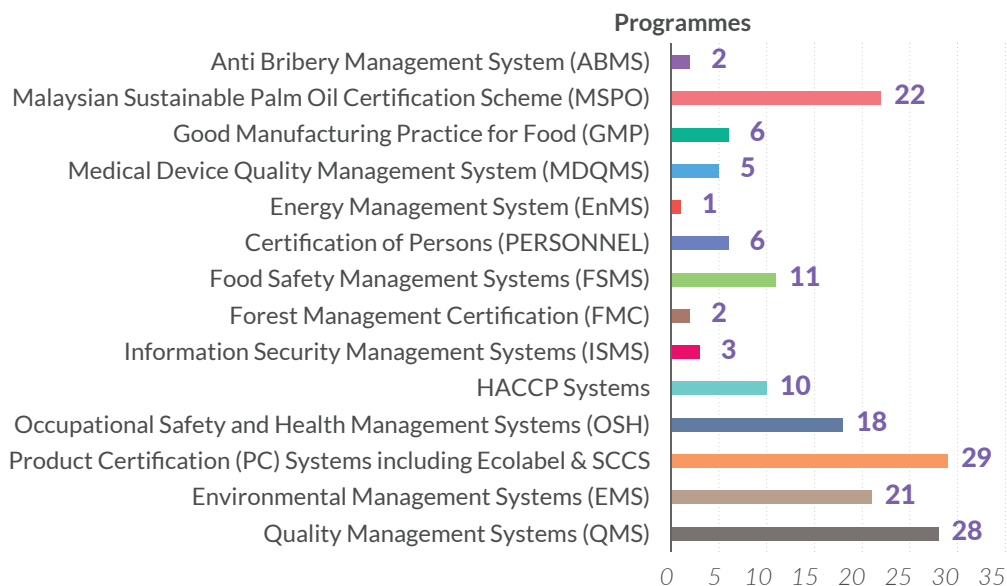
## Number of Accredited Laboratories by Programmes



## Number of Accredited Laboratories by Sectors

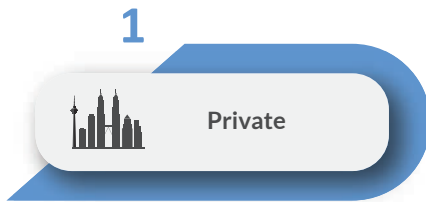
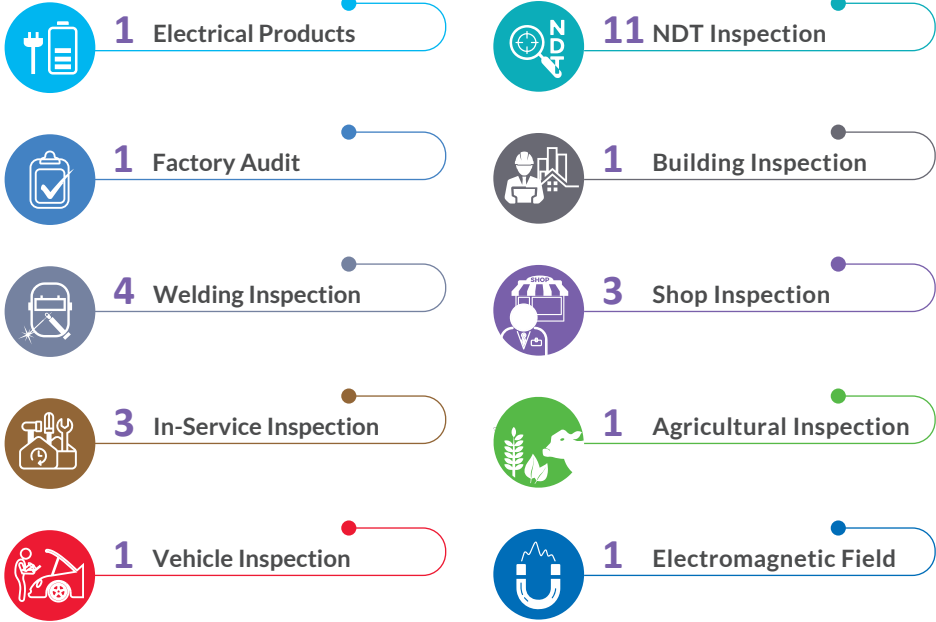


## Number of Accredited Certification Bodies by Programmes



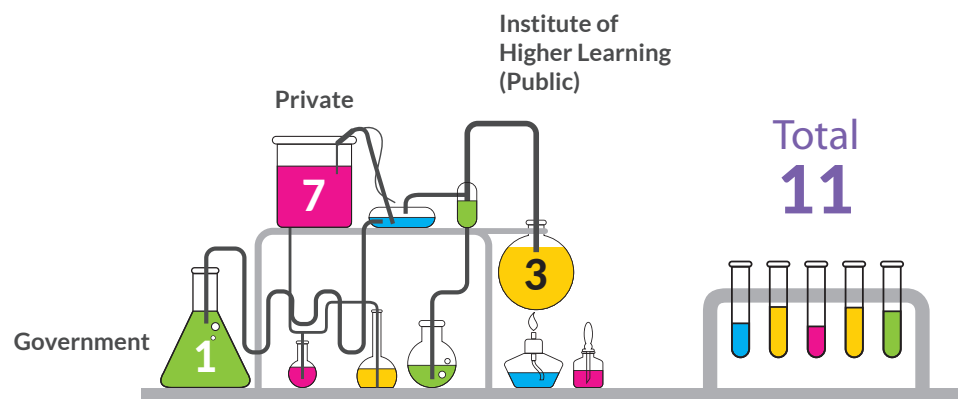
\* A certification body may be accredited for more than one programme

## Number of Accredited Inspection Bodies

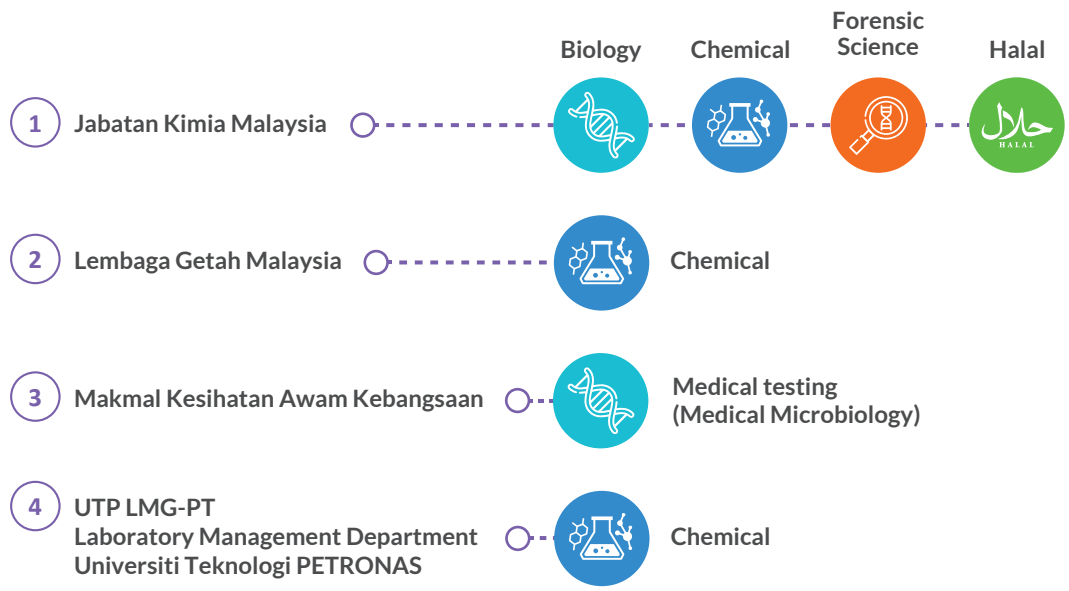


\* An inspection body may be accredited for more than one field

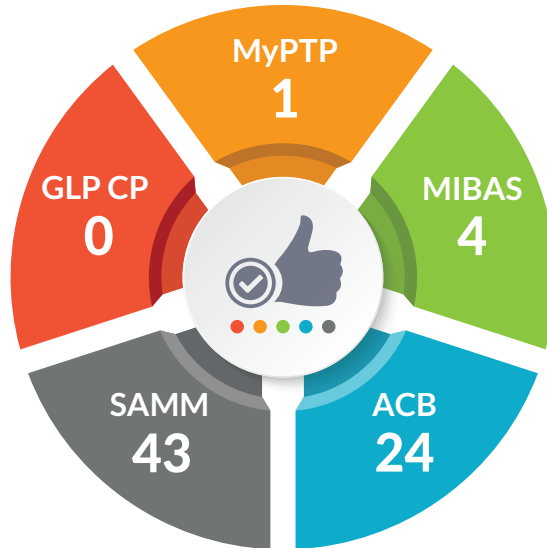
### Number of GLP Compliant Test Facilities by Sectors



### Number of Accredited Proficiency Testing Providers



## Number of New Accredited Conformity Assessment Bodies



**SAMM** - Skim Akreditasi Makmal Malaysia

**ACB** - Accreditation of Certification Bodies

**MIBAS** - Malaysia Inspection Bodies Accreditation Scheme

**MyPTP** - Malaysia Proficiency Testing Provider Accreditation Scheme

**GLP CP** - Good Laboratory Practice Compliance Programme



**FOR EASIER ACCESS AND PURCHASE OF  
MALAYSIAN STANDARDS (MS)**



<https://mysol.jsm.gov.my/>

## **DEPARTMENT OF STANDARDS MALAYSIA**

(Ministry of International Trade and Industry)

Level 4-7, Tower 2, Menara Cyber Axis

Jalan Impact, Cyber 6, 63000 Cyberjaya

Selangor Darul Ehsan, MALAYSIA

Tel : +603-8008 2900

Fax : +603-8008 2901

Email : [central@jsm.gov.my](mailto:central@jsm.gov.my)

[www.jsm.gov.my](http://www.jsm.gov.my)



STANDARDS MALAYSIA



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