# YOUNG SCIENTISTS TANZANIA(YST) 2018

## MEDIA COVERAGE REPORT

## FOR

## YST EVENTS IN 2018

KARIMJEE JIVANJEE Foundation

SIEMENS Ingenuity for life

CONCERN worldwide

Songas

COSTECH

IOP Institute of Physics

HDIF HUMAN DEVELOPMENT INNOVATION FUND

UKaid from the British people

read international

IFAKARA HEALTH INSTITUTE research | training | services

first CAR RENTAL First in Car Hire. First in Service.

SMK

DAR ES SALAAM SERENA HOTEL

An NKUPPI Bros. Production

DTP

mmi Tanzania

DELFINA

## DECLARATION

I Crispin Gerald, declare that, this report belongs to Young Scientists Tanzania (YST) organization. It has being prepared by Crispin Gerald a PR Consultant for YST. It has not presented or submitted before to any other organization for equivalent services.

Signature

..........................................

## COPYRIGHT

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## ABSTRACT

Young Scientists Tanzania (YST) is a unique event in Africa providing a platform for young people from across Tanzania to demonstrate their innovation and showcase their scientific talents.

The organization also works on encouraging the young people to generate interest in science subjects through nurturing them to embark on the science projects that seeks to provide solutions to the society.

The report has highlighted the series of YST activities and outreach conducted in this year (2018), from the January to August where the YST exhibition took place in Dar es Salaam city. It also covers the outreach conducted at Msalato girl's secondary school located in Dodoma Region.

The report also shows how the YST programs and activities were shared and distributed to public to understand the significance of youth to pursue practical based science and not theory only.

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## 1.0 PRESS CONFERENCE HELD IN MARCH

1.1 Press conference to introduce YST exhibition in August 2018. The press conference was held in March 2018.

**TELEVISIONS**

**ITV**

The story was broadcasted at 20:00pm
**News summary**; young students are expected to participate in the Young Scientists Tanzania exhibition.

**View at**
https://www.dropbox.com/s/muxyyvarj6q6o11/TV%20-%20ITV%20TV.mp4?dl=0

**Azam TV**

The story was broadcasted at 07:00 am
**News Summary**; 200 students from across the country will participate in the YST exhibition 2018.

**Channel Ten**

The story was aired at 19:00pm
**News summary**; more than 100 students and teachers from across the country to participate in the science exhibition that will be concluded by awards ceremony.

**View at**
https://www.dropbox.com/s/4s3bj6par7rusgj/TV%20CHANNEL%20TEN.mp4?dl=0

**EATV**

The story was broadcasted at 19:00pm
**News summary**; 200 secondary studemnts are expected to participate in the Young Scientists Exhibition

**View at:**
https://www.dropbox.com/s/w6y3ealpf45mna0/TV%20-%20EAT%20TV.mp4?dl=0

**AYO TV and CLOUDS TV also aired the news**

**AYO TV**
https://www.dropbox.com/s/rs0n9ppi67tli9k/TV%20-%20AYO%20TV.mp4?dl=0

**CLOUDS TV**
https://www.dropbox.com/s/1ql7yzl5yw4uo6p/TV%20CLOUDS%20TV.mp4?dl=0

**RADIOS**

**Efm**

The story was broadcasted on March 27, 2018 at 19:00pm
**News summary**; 200 young scientists are expected to participate in the science exhibition scheduled on August 1 and 2 this year.

**Listen at** :
https://www.dropbox.com/s/9hrjqlcbrvgtgo0/RADIO%20-%20EFM%20RADIO.mpeg?dl=0

**Upendo**

The story came out on March 27, 2018 at 19:00pm

**News summary;**The YST has insisted the government to allocate time and investement to promote science in schools.

**Listen at:**

https://www.dropbox.com/s/u2bg1v62es8vg3h/RADIO%20-%20UPENDO%20RADIO.mp3?dl=0

**EAradio**

The story was aired on March 28, 2018

**News summary**; Young scientists to take part in the science exhibition.

**Listen at**:

https://www.dropbox.com/s/3743t5ku2xo2ou7/RADIO%20-%20EA%20RADIO.wav?dl=0

**Clouds radio**

The story was broadcasted at 20:00 pm

**News summary**; YST is set to host science exhibition that will attract 200 students from across the country. The exhibition however will serve as a platform for improving the level of science among students in the country.

**Listen at**:

https://www.dropbox.com/s/yvhea4kpuank8ql/RADIO%20-%20CLOUDS%20RADIO.mp3?dl=0

**Others were WAPO & DW Radios**

**Wapo Radio**

https://www.dropbox.com/s/iz0ssa3bhdeaqsc/RADIO%20-%20WAPO%20RADIO.MP3?dl=0

**DW Radio**

https://www.dropbox.com/s/wkvnjunsq9zjts3/RADIO%20-%20DW%20RADIO.WAV?dl=0

**NEWSPAPERS**
**(Links on Pictures for downloads)**

**The Guardian**

The story was published on March 31st 2018
**News summary**; Young Scientists seek out projects in Dar schools

NEWS

Guardian

# Young Scientists seek out projects in Dar schools

The Guardian photo; Young Scientists Tanzania Co-founder Joseph Clowry (2nd-L) briefs journalists in Dar es Salaam yesterday on a YST exhibition to be held in the city in August 1. With him (front-L) are Shell External Relations Manager Patricia Mhondo, YST Co-founder Dr Gozbert Kamugisha (3rd-L) and Karimjee Jivanjee Foundation Director Yusuph Karimjee.

Young Scientists Tanzania co-founder Joseph Clowry (2nd-L) briefs journalists in Dar es Salaam yesterday on a YST exhibition to be held in the city on August 1. With him (from-L) are Shell public relations manager Patricia Mhondo, YST co-founder Gozbert Kamugisha (3rd-L) and Karimjee Jivanjee Foundation director Yusuf Karimjee. Photo: Selemani Mpochi

**Daily news**

The story was published on March 28, 2018
**News summary**; Young Scientists exhibitions open doors to participants

# Young Scientists exhibitions open doors to participants

By JIMMY LWANGILI

YOUNG Scientists Tanzania (YST) has invited secondary school students and teachers to participate in this year's YST exhibitions scheduled for Dar es Salaam in August.

The exhibition will involve 200 students expected to show off their technological innovations.

YST Co-Founder, Dr Gozbert Kamugisha has encouraged all interested students countrywide to send their project proposals before the deadline on the 21st of April.

He said selected schools and students will receive outreach and monitoring support from YST to develop their project ideas.

The winner will be rewarded with cash, medals, trophies and library refurbishment for their schools. "The participants of this year's exhibitions are currently working on projects in various areas of science such as chemical, physical and mathematical as well as biological and social science," he explained.

According to him, majority of the projects are geared towards finding practical solutions to various challenges in health, agriculture and food security, communications and transportation safety, energy, education, environment and climate change.

Dr Kamugisha said the exhibitions [illegible] programme facilitated by the continuous support of main sponsors, Shell Exploration and Production Tanzania Limited and Karimjee Jivanjee Foundation (KJF).

Director from KJF, Mr Yusuph Karimjee said that they have been supporting the exhibitions since its establishment in 2012. This year, they have announced to be the main sponsors for five years and will continue to [illegible] to the winners.

He insisted that aim was to provide sustainability to the programme and give great opportunity to local youths to innovate and conduct scientific research on relevant issues for socio-economic development.

Public Relations Officer for Shell Exploration and Production Tanzania Limited, Ms Patricia Mhando said as main sponsors, they will continue supporting the programme to provide opportunities to local youth to research and experience the power of science in addressing socio-economic problems facing the [illegible]

THE UNITED REPUBLIC OF TANZANIA
MINISTRY OF WATER AND IRRIGATION

**Nipashe**

The story was published on 29 March 2018
**News summary**; Opportunity for progress in science..

**Fursa ukuaji sayansi**

Na Elizabeth Zaya

zaja

**BLOGS;**

**DANIEL BLOG**

**MAONESHO YA YOUNG SCIENTISTS TANZANIA (YST) 2018 KUFANYIKA MWEZI AGOSTI**

Posted by Maendeleo TV in March 27, 2018

***Mwanzilishi Mwenza wa Young Scientists Tanzania (YST) Dkt. Gosbert Kamugisha (kulia), akizungumza katika mkutano na waandishi wa habari kuhusu maonyesho ya Young Scientists Tanzania (YST) 2018 yatakayofanyika mwezi Agosti mwaka huu Ukumbi wa Julius Nyerere International Convention Centre (JNICC) jijini Dar se Salaam. Wengine kutoka kushoto ni Patricia Mhondo kutoka Kampuni ya Shell Exploration and Production Tanzania Ltd (Shell) na Joseph Clawry kutoka nchi ya Ireland.***

***Meza Kuu pamoja na wadhamini wa maonyesho hayo.***

***Mkurugenzi wa Karimjee Jivanjee Foundation (KJF),***

***Yusuf Karimjee akizungumzia udhamini wao***

***Patricia Mhondo kutoka Kampuni ya Shell Exploration and Production Tanzania Ltd (Shell) akizungumza kwenye mkutano huo***

***Joseph Clawry kutoka nchi ya Iland akizungumzia kazi za ubunifu na jinsi nchi yao inavyowawezesha wanafunzi waliofanya vizuri katika miradi yao.***

***Muonekano wa chumba cha mkutano huo.***

**Na Dotto Mwaibale**

MAONYESHO ya Young Scientists Tanzania (YST) 2018 yatafanyika mwezi Agosti mwaka huu Ukumbi wa Julius Nyerere International Convention Centre (JNICC) jijini Dar se Salaam.

Akizungumza na waandishi wa habari Dar es Salaam jana Mwanzilishi Mwenza wa YST, Dkt. Gosbert Kamugisha alisema maonesho hayo yatafanyika kuanzia tarehe moja hadi mbili mwezi huo.

"Wanafunzi wote wanaopenda kushiriki wanashauriwa kutuma kazi za miradi yao kwenda YST kabla ya tarehe 21 Aprili 2018," alisema Kamugisha.

Kamugisha alisema wanafunzi 200 watakaochaguliwa wataonyesha kazi za teknolojia na ugunduzi wa kisayansi kwenye onesho hilo la mwaka huu na kuwa na wanafunzi watakaochaguliwa watapewa mafunzo kutoka kwa washauri wa sayansi wa YST kuhusu namna ya kutengeneza kazi zao za kisayansi.

Alisema onesho hilo pamoja na mpango wa kuzitembelea shule na wanafunzi kuwapatia ushauri wa kisayansi vinawezeshwa na wadhamini wakuu wa YST ambao ni Shell Exploration and Production Tanzania Ltd (shell) na Karimjee Jinanjee Foundation (KJF)

“Tunapenda kuwashukuru wadhamini wetu tangu mwaka 2012, Mwaka huu wa 2018 KJF wameongeza kiwango cha udhamini na kuwa mmoja wapo wa wadhamini wakuu wa YST kwa kipindi cha miaka mitano ijayo,”

Alisema udhamini huo utaiwezesha programu ya YST kuwa endelevu na kuwawezesha vijana kufanya ubunifu na kufanya tafiti za kisayansi ili kuleta maendeleo ya kijamii na kiuchumi.

Kamugisha aliongeza kuwa wanasayansi chipukizi wakaoshiriki onesho la YST mwaka huu kwa sasa wanaendelea kutengeneza kazi za miradi yao katika nyanja mbalimbali za kisayansi kama kemia, fizikia na hesabu, biolojia na ekolojia, sayansi ya jamii na teknolojia na kuwa kazi miradi nyingi zimejikita katika sekta ya afya, kilimo na usalama wa chakula, mawasiliano na usafirishaji, nishati, elimu, mazingira na mabadiliko ya tabia nchi.

Alisema wanafunzi watakajituma na kufanya ugunduzi mzuri watazawadiwa pesa taslimu, medali, vikombe na uimarishaji wa maktaba ya shule yao kama ambavyo wamefanya kwa miaka sita iliyopita KJF watawazadia wanafunzi wenye ugunduzi mzuri zaidi zawadi za udhamini wa masomo ya chuo kikuu ili kuwawezesha kusoma masomo ya sayansi na teknolojia katika ngazi ya chuo kikuu.

**TV PROGRAMME**

**INTERVIEW;**

YST Co-Founder Dr Gozbert Kamugisha was interviewed by**Azam TV**. The programme was about to explain the role of Young Scientists Tanzania (YST) and how it supports young students to have passion in science subjects.

**View at:**

https://www.dropbox.com/s/i2eil10otupjyz0/TOPIC%20OF%20THE%20DAY_28%20JUNE%20A.mp4?dl=0

**OUTREACH TO DODOMA**

**The outreach took place in July 5th 2018**

The YST team represented by Mr Titus Mteleka (YST Government Liason Officer), Mr Hussein Mwalimu (YST Dodoma Coordinator) together with representatives from the President's Office Regional Administration and local government (PO-RALG) and from Shell Exploration and Production in Tanzania visitedMsalato Girl's High School located in Dodoma to witness the development of science projects by students.

a) **ITV**

The story went on air at 20:00pm

***News summary***; the government has urged stakeholders to help students to study science subjects.

b) The Guardian
   The story was published in August

**News summary**; the government hails YST for promoting science subjects among students.

# Government hails YST for promoting science subjects among students

BY POLYCARP MACHIRA, DODOMA

THE government has commended Young Scientists Tanzania (YST) for establishing a unique and innovative programme aimed at improving the understanding of science subjects among students in the country.

The observation was made by Secondary Education Officer from the ministry of Education, Science, Technology and Vocational Training Ngutolwa Mwankina, saying they used an innovative approach to help promote science.

She applauded YST for its efforts to recognize, support and promote science, technology and innovation and to build scientific capacity.

"Itrustthatscientificachievement will not only contribute to develop but will also assist in restoring pride and dignity among the students of Tanzania as we move towards an industrial economy," she said.

Speaking during a visit to some five secondary schools in Dodoma city where YST has helped establish science projects, the education officer said the government acknowledged what the organization was doing, calling on other stakeholders to emulate them.

Rias Abeid from the President's Office, Regional Administration and Local Government (TAMISEMI), for his part, thanked YST for their good work.

He said in the past students used to like science subjects but the trend had greatly changed, thus what YST was doing was helping to promote science subjects in schools.

"Through such science projects students get to learn and understand science subjects. It is important to see what other stakeholders are doing to complement government efforts," he noted.

The delegation was highly impressed by a demonstration of science projects being carried out by two form four students at Msalato Girls Secondary School, saying the nation needed such innovative ideas.

The two girls showed the visitors how to extract salt that can be used as animal feed from some locally available plants. The project is one among several others to be showcased at the YST annual exhibition in Dar es Salaam next month.

Abeid added that science, technology and innovation had always been central to prosperity and poverty alleviation.

"Many countries still cannot access and utilize advances in scientific and technological knowledge and thus fail to capture the benefits that have become commonplace in the world. YST is trying to change this," he noted.

Young Scientists Tanzania Government Liaison Officer Titus Mleteka, while briefing the government officers about their activities, said YST was a unique and innovative programme in Africa, delivering two integrated and complimentary events in the Tanzanian secondary school academic year.

He noted that the first was a comprehensive Science Outreach Programme covering all regions in Tanzania, while the second was an Annual YST exhibition and competition in which secondary students showcased their research.

"The annual YST Exhibition component is based on the Young Scientist model in Ireland. In Tanzania the Annual YST Exhibition showcases the success of the students involved in the Science Outreach Programme," he noted.

**PRESS CONFERENCE HELD BEFORE YST EXHIBITION on 29th July 2018**

**TELEVISIONS**

a) **ITV**

The story was aired at19:00am

***News summary***; Young people have been urged to find means for accelerating development through technology.

**View at**

https://www.dropbox.com/s/k0yqy4hxi6ahkmm/TV%20-%20ITV%20NEWS.mp4?dl=0

b) **Azam TV**

The story was broadcasted at 20:00pm

***News summary***; About 200 young students are expected to participate in the science exhibition in Dar es Salaam

**View at**

https://www.dropbox.com/s/ap86fm7qh30f1q7/TV%20-%20AZAM.mp4?dl=0

c) **Clouds TV**

The story was aired at 19:00pm

***News summary***;Dar es Salaam is set to host the Young Scientists exhibition for students in August.

**View at:**

https://www.dropbox.com/s/7tph1ehznlv2d8o/TV%20-%20CLOUDS%20TV.mp4?dl=0

d) **TV-E**

The story was aired at 19:00pm

***News summary***;Young Scientists Tanzania has proposed the government to prioritize science to young people and prepare the future scientists.

**View at**

https://www.dropbox.com/s/ra7ckq5qexu9v2i/TV%20-%20TV%20E%20PRESS%20CONFERENCE%202018.mp4?dl=0

**RADIOS**

a) **Efm radio**

The story was broadcasted at 1900pm

***News summary***; YST pleade the government and other stakeholders to support young people who have proved to be the best during the YST exhibition.

**Listen at:**

https://www.dropbox.com/s/v2zej4f593ak20o/RADIO%20-%20EFM.mp3?dl=0

b) **Upendo fm radio**

The story was aired at1900pm

***News summary***; more than 150 secondary students are expected to showcase their scientific projects in the coming YST exhibition scheduled to take place on August 1 and 2. Dr Gozbert Kamugisha said the projects will based on several categories including physics, biology, ecology, environment, chemistry and social science.

**Listen at:**

https://www.dropbox.com/s/8a7zxgnnu4hv3ec/RADIO%20-%20UPENDO%20FM.aac?dl=0

**c) Clouds FM**

The story went on air at 1900pm

***News summary***; More than 100 secondary students are expected to take part in the coming YST exhibition in Dar es Salaam.

**Listen at:**

https://www.dropbox.com/s/5jcn8kvprxzcyte/RADIO%20-%20CLOUDS%20FM.mpeg?dl=0

**NEWSPAPERS**

**The Guardian**

The story was published on July 30, 2018 next day afterthe press conference.

***News summary***; 200 secondary students expected to take part in upcoming Young Scientists Tanzania Exhibition.

# 200 secondary students expected to take part in upcoming Young Scientists Tanzania Exhibition

**By Correspondent Crispin Gerald**

THE Commission for Science and Technology (COSTECH) has entered into an agreement with the Young Scientists Tanzania (YST) to recognise and develop scientific projects and innovations conducted by secondary school students for purposes of promoting business ventures.

The agreement focuses on fostering the level of science and technology to most secondary students through the programme implemented by YST.

Speaking to reporters in Dar es Salaam when he announced the forth coming YST exhibition, Executive Director, Dr Gosbert Kamugisha said the science commission had also committed to sponsoring this year's science exhibition by ensuring that the best science project is taken to the incubator.

Dr Kamugisha said that 200 secondary students and 100 teachers across the country are expected to participate in the science exhibition scheduled to kick off on Wednesday and Thursday this week.

The programme sponsored by Shell Exploration and Production Tanzania Limited and Karimjee Jivanjee Foundation and other sponsors is geared to encourage the students to study and practice science to lift the level of performance in the country.

"The exhibition will bring students to display projects in chemicals, physical and mathematical sciences; biological and ecological sciences, social and behavioural sciences and technology," he detailed.

The projects are mainly focused on finding practical solutions to development challenges in health, agriculture and food security, communication and transportation safety, energy and environment, education, social relations and social problems.

External relations manager for Shell Tanzania Patricia Mhondo said the company's moved was aimed at grooming local scientists who will propel the country towards industrialisation.

The company which is part of the Royal Dutch Shell Company based in The Hague, which is working on exploration and production of oil and as in Tanzania, is also offering scholarships to Tanzania students to pursue masters' education in the area of oil and gas. She said the YST programme is one of the exemplary models that prepares future scientist's from secondary to university level.

Mhondo said Shell Tanzania was currently in need of more scientists from the country to work in the oil and gas industry saying this will help to reduce the cost of importing the experts from abroad to work in the country.

Karimjee Jivanjee Foundation manager Devota Rubama said the foundation will sponsor two students who will win in the overall category and two students who will win in the special education category to undertake the university studies after completion of high school.

Young Scientists Tanzania executive director Dr Kamugisha Gozibert (2nd-R) briefs journalists in Dar es Salaam yesterday on the Young Scientists exhibition to be held in the city on Wednesday and Thursday this week. Others (from-L): Shell senior social performance (exploration and production) advisor in Tanzania, Msomisi Mbenna; external relations manager Patricia Mhondo; and YST co-founder Joseph Clowry. The 'Young Scientist' concept was brought from Ireland, the aim being to promote science and inquiry among young Tanzanians. Photo: Guardian Correspondent

Photo published in The Guardian newspaper

Caption; Young Scientists Tanzania Co-Founder Dr Kamugisha Gozbert ($2^{nd}$-R) briefs journalists in Dar es Salaam yesterday on the Young Scientists exhibition to be held in the city on Wednesday and Thursday this week. Others (from-L); Shell Senior Social Performance (exploration and production) Advisor in Tanzania, Msomisi Mbenna; External Relations Manager Patricia Mhondo and YST Co-founder Joseph Clowry. The 'Young Scientist' concept was brought from Ireland, the aim being to promote scientific inquiry among young inTanzania.

**Daily News**

The story was published on August 1, 2018, titled Young Scientists set to showcase ideas at exhibitons in Dar es Salaam.

# Young scientists set to showcase ideas at exhibitions in D'Salaam

By CHRISTINA MSEJA

YOUNG scientists are expected to convene for two days in Dar es Salaam from today, at exhibitions and competitions to present their scientific ideas based on the realities facing their communities.

According to Young Scientists Tanzania (YST) Executive Director, Dr Gosbert Kamugisha, at the 8th Young Scientists Tanzania Exhibitions and Competitions, students from different schools in Dar es Salaam will participate.

YST Exhibitions are geared toward inspiring students to admire science and innovation and inculcating the science culture among young people in Tanzania. Dr Kamugisha said the exhibitions were a good opportunity for secondary school students to demonstrate practical solutions to socio-economic challenges.

He added that YST exhibitions had been organised under the support of Shell Exploration and production Tanzania Limited and Karimjee Jivanjee Foundation (KJF). The guest of honour is expected to be the Minister for Education, Science, Technology and Vocational Training, Prof Joyce Ndalichako.

"During the two-day exhibitions, young scientists will display projects in different areas of science such as chemistry, physics and environmental science as well as social sciences," he said.

Biological, ecological sciences, behavioural science and technology will be also showcased. The projects are mainly focused on finding practical solutions to development challenges in health, agriculture and food security, communication and transport safety, energy, environment, education, social relations and social problems. More than 200 secondary school students and 100 science teachers are expected to participate in technological and scientific exhibitions.

Dr Kamugisha noted that several prizes would be presented to winners. They include cash, medals, trophies, laboratory equipment and library refurbishment for their school.

Four young scientists will be awarded University scholarships by the Karimjee Jivanjee Foundation to enable them pursue scientific and technological studies.

Shell Tanzania External Relations Manager, Ms Patricia Mhando said they had been collaborating with YST for many years in encouraging students to pursue science subjects so as to create many scientists who can help the nation in future.

Karimjee Jivanje Foundation Manager, Ms Devota Rubama said her foundation had been providing US dollars 100,000 to be spent on awarding four outstanding students in a bid to encourage young learners to study science.

**SWAHILI NEWSPAPERS**

Nipashe

The story was published on August 1, 2018

WANAFUNZI zaidi ya 200 kutoka katika shule mbalimbali za sekondari nchini, wanatarajia kuonyesha kazi zao za kisayansi katika maonyesho ya nane ya wanasayansi chipukizi.

Maonyesho hayo yanayotarajia kufanyika kwa siku mbili kuanzia leo jijini Dar es Salaam.

Akizungumza na waandishi wa habari jijini Dar es Salaam jana, mwanzilishi mwenza wa Shirika la Wanasayansi Chipukizi (YST), Dk. Gosbert Kamugisha, alisema maonyesho hayo yatawakutanisha wanafunzi wagunduzi, watafiti wa kazi za kiteknolojia.

Alisema kazi hizo ni zile ambazo wameziandaa kwa kipindi cha mwaka mmoja kupitia mpango wa mafunzo ya kisayansi shuleni unaoendeshwa na YST.

Dk. Kamugisha alisema kazi watakazoonyesha wanasayanzi hao chipukizi ni katika nyanja za sayansi hususani kemia, fizikia, hisabati, biolojia, mazingira, sayansi ya jamii na teknolojia.

"Ugunduzi wa wanasayansi chipukizi umejikita zaidi katika kutafuta mbinu za kukabiliana na changamoto za maendeleo katika sekta za afya, kilimo na usalama wa chakula, usalama wa mawasiliano na uchukuzi, nishati na mazingira, elimu, mahusiano ya kijamii na matatizo ya kijamii," alisema Dk. Kamugisha.

"Watakaoonyesha ugunduzi mzuri zaidi watazawadiwa fedha taslimu, medali, na vifaa vya maabara. Pia wanafunzi wanne watapewa ufadhili wa kusomeshwa elimu ya chuo kikuu, ili waweze kuendelea kuimarisha vipaji vyao vya ugunduzi wa kisayansi," alisema Dk. Kamugisha.

Alisema maonyesho hayo yamekuwa yakifanyika kwa lengo la kuwahamasisha wanafunzi wa sekondari kupenda masomo ya sayansi na ugunduzi pia ni kujenga utamaduni wa kisayansi kwa vijana wa kitanzania.

Dk. Kamugisa alisema maonyesho hayo yameshaanza kuzaa matunda kwa sababu baadhi ya wanafunzi waliowahi kushinda katika maonyesho hayo walipelekwa kushindanishwa katika mashindano ya kisayansi Afrika Kusini mwaka jana na walifanikiwa kushika nafasi za kwanza.

***News summary***; secondary students to attend the science exhibition

**Mwananchi**

The story was published on Sunday, July 29 2018

***News summary***; Ndalichako to witness the coming science exhibition

Sunday, July 29, 2018

## Ndalichako kushuhudia maonyesho ya watafiti chipukizi

Waziri wa Elimu, Sayansi na Teknolojia, Profesa Joyce Ndalichako

**Habari Leo**

The story was published on

**News summary**; 200 students to participate in the science exhibition

HABARI 11

# Wanafunzi 200 kushiriki maonesho ya sayansi

Na Lucy Lyatuu

Wanafunzi 200 wa shule za sekondari nchini, wanatarajiwa kuonesha kazi zao za teknolojia ya ugunduzi na sayansi katika nyanja tofauti.

Kazi hizo zitabainisha kutafuta mbinu za kukabiliana na changamoto za maendeleo nchini. Kazi hizo ziko katika nyanja za sayansi za kemia, fizikia, hesabu, baiolojia, mazingira, sayansi ya jamii na teknolojia.

Maonesho ya kazi hizo za wanafunzi, yameandaliwa na taasisi inayosaidia wanasayansi chipukizi ya YST. Maonesho hayo yatawahusisha pia walimu 100 wakiwa na wanafunzi hao, kuonesha kazi hizo walizoziandaa kwa kipindi cha mwaka mmoja.

Akizungumzia maonesho hayo, yatakayofanyika kuanzia kesho jijini Dar es Salaam, Mkurugenzi Mtendaji wa Shirika la YST, Dk Gosbert Kamugisha alisema Waziri wa Elimu, Sayansi na Teknolojia, Profesa Joyce Ndalichako (pichani) atakuwa mgeni rasmi katika maenesho hayo.

Alisema wanafunzi wataonesha kazi za kigunduzi na watakaoshinda watapata udhamini wa kusoma masomo ya sayansi katika vyuo vikuu vya elimu ya juu.

Alisema lengo la maonesho hayo, yaliyoanza nchini mwaka 2012 ni kuinua ari ya wanafunzi kusoma masomo ya sayansi, jambo litakalosaidia kupata wataalam wengi wa sayansi na kufanya kazi katika viwanda.

" Wanasayansi hao ambao ni chipukizi watakaonesha ugunduzi mzuri, watazawadiwa pesa taslimu, medali na vifaa vya maabara," alisema na kuongeza kuwa wanne watapewa ufadhili kusomeshwa elimu ya chuo kikuu. Ufadhili huo hutolewa na shirika la Karimjee Jivanjee Foundation ili kuendelea kuimarisha vipaji vyao vya ugunduzi wa kisayansi" alisema.

Alisema maonesho hayo ya wanasayansi chipukizi, yanalenga kuhamasisha wanafunzi wa sekondari kupenda sayansi na ugunduzi na kujenga utamaduni was kisayansi kwa vijana wa kitanzania.

Mdhamini was maonesho hayo, Devota Rubama kutoa Karimjee Jivanjee Foundation alisema kila taasisi hutoa dola za Marekani 100,000 kudhamini wanafunzi. Alisema washindi wa shindano hilo, watasomeshwa vyuo vikuu.

**BLOGS;**

**MICHUZI Blog**

The story was published on August 7, 2018

https://issamichuzi.blogspot.com/2018/07/wanafunzi-200-shule-mbalimbali-za.html

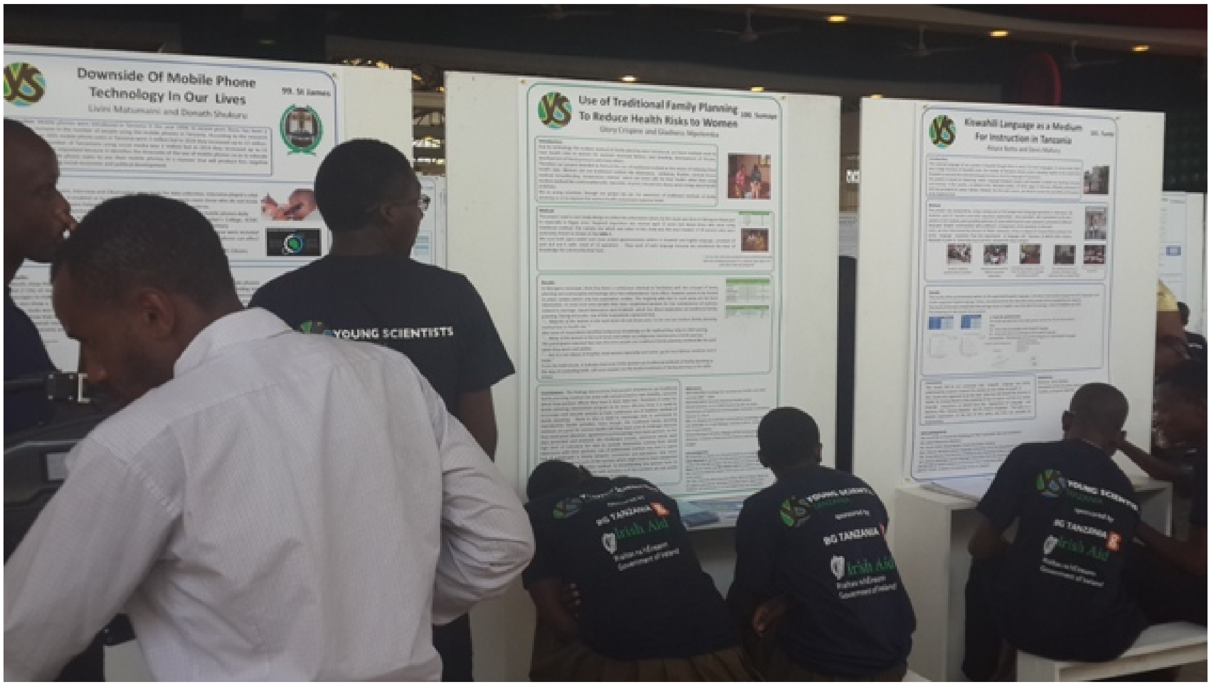
**DANIEL MBEGA BLOG**

http://maendeleovijijini.blogspot.com/2018/08/costech-iendeleze-vipaji.html

**COSTECH IENDELEZE VIPAJI VINAVYOZALISHWA NA YST**

Posted by Maendeleo TV on August 01, 2018

***Patricia Mhondo, Meneja wa Uhusiano wa Nje wa Kampuni ya Royal Dutch Shell (Shell) ambao ni miongoni mwa wadhamini wakuu wa maonyesho ya YST, akizungumza na wanahabari (hawapo pichani)kuhusu dhamira yao ya kuendelea kuwekeza katika program za jamii ikiwemo ubunifu wa kisayansi. Kushoto kwake ni Mkurugenzi Mtendaji wa YST, Dkt. Gozbert Kamugisha, na anayemfuatia ni mwanzilishi mwenza wa YST, Joseph Clowry.***


Downside Of Mobile Phone Technology In Our Lives
Use of Traditional Family Planning To Reduce Health Risks to Women
Kiswahili Language as a Medium For Instruction in Tanzania
YOUNG SCIENTISTS

**D BLOG**

**Daniel Mbega**

AGOSTI 2, 2018, watapatikana washindi mbalimbali wa maonyesho ya wanasayansi chipukizi, ambayo yanafanyika kwa mwaka wa nane tangu yalipoasisiwa na shirika la Young Scientists Tanzania (YSC) mwaka 2011.

Kwa bahati nzuri, Waziri wa Elimu, Sayansi na Teknolojia, Profesa Joyce Ndalichako, ndiye atakuwa mgeni rasmi kushuhudia wanafunzi 200 kutoka shule 100 za sekondari nchini kote wakionyesha kazi zao za ubunifu.

Mwaka 2016 Profesa Ndalichako ndiye alikuwa mgeni rasmi na akashuhudia mabinti wawili, Nadhra Mresa na Diana Sosoka kutoka Mtwara Girls wakiibuka washindi wa jumla kwenye Kituo cha Kimataifa cha Mikutano cha Julius Nyerere (JNICC) jijini Dar es Salaam ambako ndiko yanakofanyikia tena maonyesho hayo.

Wakati huo, Profesa Ndalichako aliahidi kwamba, serikali itaandaa mazingira ya kuwaendeleza watoto na vijana wanaojihusisha na ubunifu katika masomo ya sayansi na kushauri mashindano hayo ya sayansi kwa wanafunzi yafanyike kila wilaya, mkoa na taifa.

Akakiri kwamba, hatma ya Tanzania (ya Viwanda) iko mikononi mwa wanasayansi na kwamba vijana hao chipukizi ndio msingi mkubwa wa kuhimiza ushiriki wa wengi na kuibua vipaji vitakakavyolisaidia taifa.

"Huu ni ulimwengu wa sayansi na teknolojia, ili Tanzania iendelee ni lazima tujikite kwenye sayansi na kwa maana hiyo mimi kama waziri mwenye dhamana naahidi kwamba tutawajengea mazingira mazuri zaidi watoto wetu kwa ajili ya kujifunzia pamoja na kuendeleza vipaji vyao. "Tunaomba wadhamini waliofanikisha maonyesho haya waendelee kudhamini lakini wajitokeze wengine ili kuhakikisha mashindano yanafanyika kuanzia ngazi ya wilaya, mikoa na hatimaye taifa na hapo ndipo tutakuwa tumejenga msingi imara wa kuibua wanasayansi wengi.

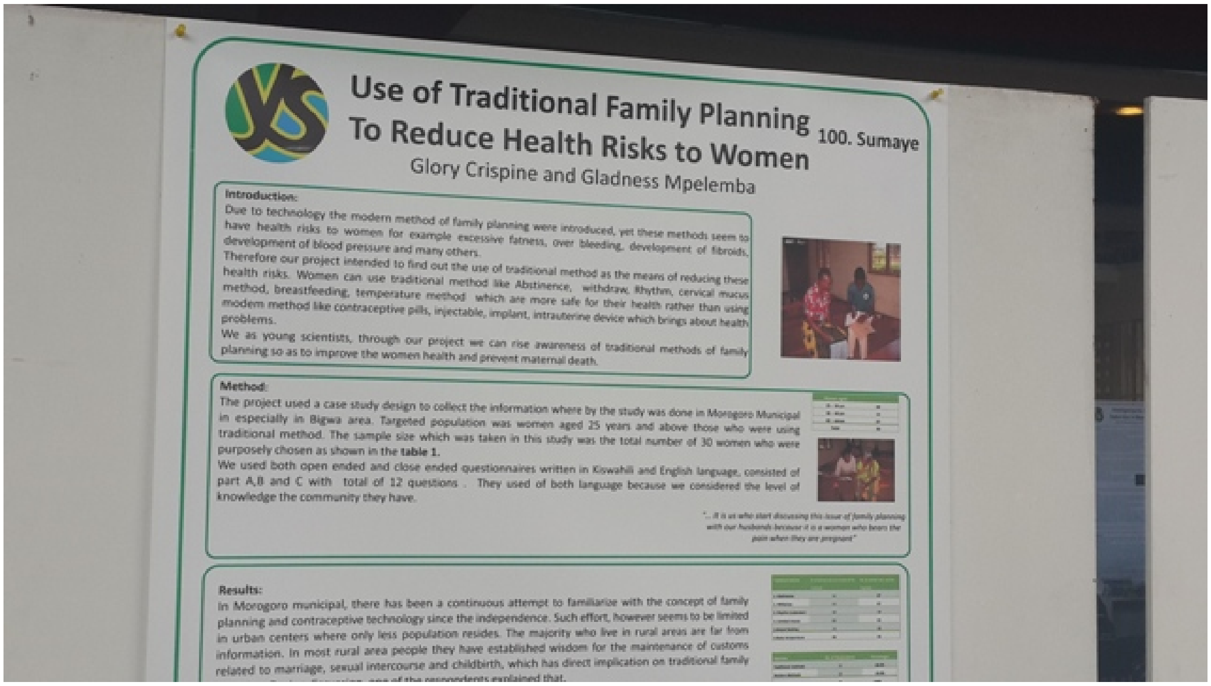
"Dira ya Maendeleo ya Taifa ya Mwaka 2025 inasisitiza, pamoja na mambo mengine, suala la sayansi na ubunifu, na Tume yetu ya Sayansi na Teknolojia (Costech) itasimamia kuhakikisha hawa watoto wanaendelezwa," alisema.

Mkurugenzi Mtendaji wa YST, Dkt. Gozbert Kamugisha, anasema kwamba maonyesho hayo yanazidi kupanuka kila mwaka, lengo lao likiwa kuhakikisha wanafanya mashindano hayo kuanzia ngazi ya wilaya hadi mkoa ili kuwapata washiriki wa kitaifa walio bora zaidi.

"Hawa wote ni bora, lakini kama tukifanya mashindano haya kuanzia wilayani tutajenga misingi imara na kuwahasisha watoto wengi kuyapenda masomo ya sayansi na kujikita kwenye ubunifu," akasema Dkt. Kamugisha.

Na kweli, washindi wa mwaka 2017, Prosper Gasper na Erick Simon kutoka Shule ya Sekondari St. Jude's jijini Arusha, walifanya vizuri katika katika ushiriki wa kwanza wa Tanzania katika maonyesho ya Sayansi na Teknolojia ya Afrika baada ya kuibuka mabingwa huko Afrika Kusini.

**Vipaji vingi kila mwaka**




Kwa kadiri ilivyo, kila mwaka maonyesho haya yanazidi kuwa bora huku kukishuhudiwa miradi mingi ya ubunifu, ambayo kama ingaliendelezwa ingaliweza kuleta tija hata kwa taifa na watoto hao pia.

Kwa mfano, washindi wa mwaka 2017, Prosper Gasper na Erick Simon, walikuwa na wazo lao la “Kutumia Simu za Mkononi kama Mfumo wa Kubaini Ajali za Moto” (*The Use of Mobile Network as a Fire Alert System*).

Vijana hao walibuni mfumo wa kubaini, kwa kutumia simu za mkononi, uwepo wa moto pamoja na wizi kwa kuweka ving’amuzi vinavyoweza kubaini mapema hata kama mtu hayuko nyumbani au akiwa amelala.

Lakini hao si pekee ambao ni wabunifu kupitia maonyesho ya YST, na wala mawazo yaliyoshindwa siyo kwamba hayakuwa na ubora, bali kwa vile walihitajika washindi, basi lazima wapatikane miongoni mwa walio bora.

Kumekuwa na ubunifu mkubwa kwenye makundi yanayoshindaniwa ambayo ni Sayansi ya Baolojia na Ikolojia (***Biological and Ecological Sciences***); Sayansi ya Kemia, Hisabati na Fizikia (***Chemical, Mathematical and Physical Sciences***) iliyodhaminiwa na Kampuni ya Songas; Sayansi ya Kijamii na Kitabia (***Social and Behavioural Sciences***) iliyodhaminiwa na Shirika la Concern Worldwide; na Teknolojia (***Technology***) iliyodhaminiwa na Karimjee Jivanjee Foundation.

Aidha, wadhamini wengine wa maonyesho hayo ni Taasisi ya Siemens, Costech, Solaris, na Karimjee Jivanjee.

Maonyesho haya yamekuwa yakichukua mpaka shule za vijijini, zikiwemo za Kata, na yanatoa taswira halisi ya kitaifa.

**Yako mawazo mengi sana ambayo mengine yalishinda kwenye kada mbalimbali, na mengine hayakushinda, lakini bado ni bora na yanaweza kuendelezwa kabisa yakaleta tija.**

**Jukumu hili linafaa kubebwa na Taasisi ya Sayansi na Teknolojia (Costech) ambayo ndiyo yenye dhamana ya kuendeleza kazi hizo za ubunifu.**

**Nawakumbuka baadhi tu ya wanafunzi waliowahi kuwasilisha mawazo yao na yakashinda kama** Clemence Tafiti na Emilian Haule kutoka Kigonsera, Ruvuma na utafiti wao *'A Simple Electric Circuit As A Security System';* Mariam Mwanga na Asila Ibrahim kutoka Mkwakwani Sekondari, Tanga na ubunifu wao wa *'An Inexpensive Local Solar Water Distillation in School Laboratories'*; Focus Seth na Zuhura Riziki kutoka Macechu Sekondari, Tanga na wazo lao la 'Kutumia ICT Kutatua Changamoto ya Matokeo ya Wanafunzi wa Bweni wa Shule za Msingi Tanga' (*ICT Solution for Students' Results Problem in Boarding Primary Schools in Tanga City*).

Wengine ni Stephano Chacha na Naima Mohamed kutoka Vingunguti Sekondari, Dar es Salaam na ubunifu wao wa kutumia mashine ya kilimo inayotumia umeme-jua (*Free Energy Farming Tool*); Bryson Quambatia na Geoffrey Nasser kutoka Mzumbe Sekondari, Morogoro na utafiti wao wa *'The Turning Point Towards The Flourishment Of the Agricultural Sector In Tanzania'*; Redempotius Respicius na Baris Rajab kutoka Ihundo Sekondari, Kagera na utafiti wao wa *'Local Way of Detecting Soil pH In Order To Improve Agriculture Sector'*; na mapacha Brenda Crispin na Beatrice Crispin kutoka Shule ya Sekondari ya Aquinas ya mkoani Mtwara na andiko lao la 'Dawa Mbadala ya Mbu kwa Kutumia Mazao na Mimea Asilia' (*An Alternative Mosquito Repellent Using Local Organic Material).*

Wamo pia Editha Timothy na Specioza Magesa kutoka Premier Girls, Bagamoyo ambao utafiti wao ulihusu 'Uchunguzi wa Mionzi Kutambua Metali za Sumu Katika Udongo' (Use Of Field Portable *X-Ray Fluorescence Analyzer to Determined The Content Of Toxic Metals In Soil From Densely Populated Mwambao Bagamoyo And Sinza Dar es Salaam Areas*); Julius Luchiga na Stanley Paul kutoka Ilongero Sekondari, Singida na utafiti wao wa *'The Household Hunger Score Project'* (Mradi wa Kupambana na Janga la Njaa)*;* Francis Shirima na Adolf Katambi kutoka Maua Seminari, Kilimanjaro na utafiti wao wa *'Educating The Deaf Using Speech Recognition'* (Namna ya kuwafundisha viziwi kwa kutumia utambuzi wa sauti); Khatibu Mgunya na Yasin Bahati kutoka Same Sekondari, Kilimanjaro na utafiti wao wa*'Automatic Wireless Charger'* (Kifaa cha kuchajia simu kisichotumia waya); na Frank Kapinga na Joel Kajiru kutoka Kibaha Sekondari na utafiti wao wa 'Swichi ya Umeme Inayotumia Sauti' (*Sound Controlled Electric Switch)*.

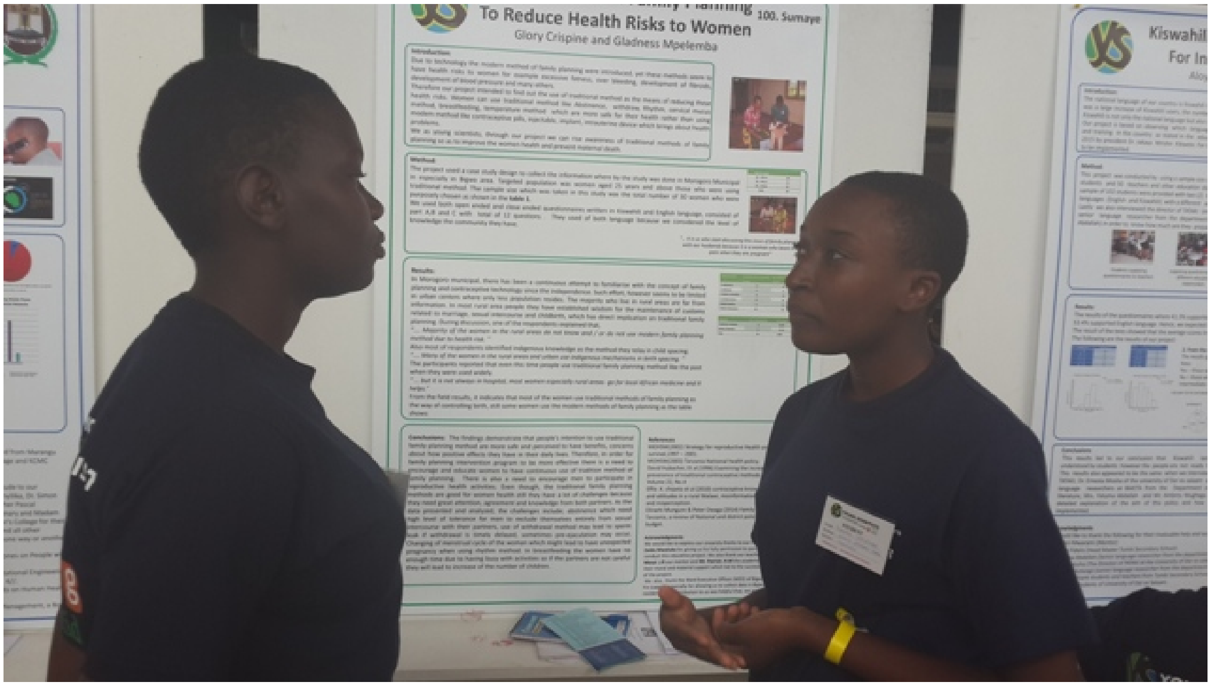
Wapo pia wanafunzi kadhaa waliowahi kuja na mawazo mazuri ambayo kama yangeendelezwa au yataendelezwa yanaweza kuleta matokeo chanya tunapoelekea kwenye Tanzania ya Viwanda, ambako ubunifu wa sayansi na teknolojia ni nguzo muhimu sana, ikiwemo kilimo na mazingira.

Miongoni mwao ni Venance Msechu na Martin Oisso kutoka St. Jude Sekondari, Arusha na utafiti wao 'Automatic House Control System'; Emmanuel Lemalali na Emmanuel Sanga kutoka Tanga Technical na utafiti wao wa 'A Simple Method For Controlling Ecto-parasites'; Maregesi Nyamajeje na Peter Kailembo kutoka Mwasele Sekondari, Shinyanga na andiko lao la 'Designing a Temperature Sensor'; Tunu Ngajilo na Ally Salum kutoka Mbeya Sekondari na utafiti wao wa Automatic Irrigation System.

Wengine ni; Latifa Hamad Ali na Salma Hussein Haji kutoka Kiembe Samaki Sekondari, Zanzibar na utafiti wao wa 'Exploring Lippia Asperifolia Leaves (Mpambaake) On Anemic Pregnant Women'; Adil Abdallah na Kevin James kutoka Loyola Sekondari, Dar es Salaam na utafiti wao wa 'Micro Plastics In Drinking Water'; Maryam Salim na Betty Pentzel kutoka Popatlal Sekondari, Tanga na utafiti wao wa 'The Effects Of Chemical Hair Products And Its Solution'.

Aidha, wabunifu wengine ni Petro Samson Ndegeleki na Juma Joshua Wiliam kutoka Nassa Sekondari ambao utafiti wao ulihusu 'How Different Natural Fertilizers Affect the Growth Of Maize'; na Edwin Luguku na John Method wa Mzumbe Sekondari na andiko lao la 'Reducing the use of plastic bags in Tanzania' ambao walikuwa washindi wa jumla mwaka 2015.

**Tutumie Kiswahili?**




Ili kuchochea ubunifu zaidi wa sayansi na teknolojia, nadhani itakuwa vyema ikiwa Serikali itarejelea pendekezo la Rais mstaafu wa awamu ya pili, Alhaj Ali Hassan Mwinyi, aambaye mwaka 2015 akiwa mgeni rasmi wa maonyesho hayo kwenye ukumbi wa Diamond Jubilee, aliwataka walimu katika shule za msingi na sekondari kutumia lugha ya Kiswahili kufundisha sayansi, kwani lugha hiyo inaeleweka vizuri.

Alhaj Mwinyi alisema kwamba, Kiswahili ni lugha inayoeleweka vizuri, si kwa wanafunzi tu, bali hata kwa watu wengine, hivyo ni vyema walimu wakaweka mkazo katika kuitumia kwenye masomo ya sayansi.

"Nimepita kwenye maonyesho haya, baadhi ya wanafunzi walikuwa wananiuliza 'tukueleze kwa Kiswahili au kwa Kiingereza', nikasema tumieni lugha yoyote tu. Wengine wamenieleza Kiingereza na wengine Kiswahili.

“Lakini nataka niwaambie, walionieleza kwa Kiswahili, pamoja na utafiti wao kuwa katika lugha ya Kiingereza, walifafanua vizuri sana na nikasema ‘aah, kumbe Kiswahili kinaweza kutumika kufundisha vizuri sayansi,” alisema.

Aliongeza kusema kwamba, yeye wakati anaingia darasa la tano, mwalimu wake wa sayansi alikuwa rais wa Scotland, lakini alimfundisha sayansi kwa Kiswahili na ndio msingi wake mkubwa wa kulifahamu vyema somo la sayansi.

Kumekuwepo na changamoto kubwa ya lugha ya Kiingereza kwa baadhi ya wanafunzi wanaoshiriki maonyesho hayo, kwani wengi wanatoka katika shule tofauti tofauti.

Wale wanaojieleza vizuri kwa lugha hiyo ni wanaotoka kwenye shule za binafsi (maarufu kama English Medium) na wanaweza kueleza vyema hata kama wazo lao litakuwa la kawaida tu.

Lakini walio wengi ambao wanatoka katika shule za umma, licha ya kuwa na mawazo mazuri, hushindwa kujieleza vyema kwa Kiingereza, jambo ambalo kwa namna moja ama nyingine linaweza kuwa kikwazo.

Ni vyema basi serikali ikaandaa mitaala ambayo itatoa fursa ya Kiswahili kutumika katika ufundishaji, kwa sababu ubunifu mara nyingi hauhitaji tu kuongea, wakati mwingine ni vipaji vya watu.

**Sunday, July 29, 2018**

**JIJILETU BLOG**

**MAONYESHO YA WANASAYANSI CHIPUKIZI KUANZA AGOSTI 1 MWAKA HUU**

Na Humphrey Shao, Globu ya Jamii

Tasisi ya Young Scientist inataraji kuanza Maonyesho yake ya Wanasayansi Chipukizi kuanzia Agosti 1 mpaka 2 mwaka huu.

Akizungumza wakati wa mkutano wake na waandishi wa Habari Mwanzilishi wa YST Nchini,Dr Gosbert Kamugisha amesema kuwa Maonyesho hayo ambayo yanataraji kufanyika katika ukumbi wa Mwalimu Nyerere jijini Dar es Salaam na kushirikisha sekondari 100 nchini.

“kwa siku mbili maonyesho ya wanasayansi Chipukizi wataonyesha kazi zao katika Nyanja mbalimbali za Sayansi kama kemia ,fizikia na hesabu ,biologia na Mazingira , sayansi ya jamii na ugunduzi wa wanasayansi chipukizi” amesema Dr Kamugisha.

Ametaja kuwa wanasayansi chipukizi wataonyesha ugunduzi mzuri Zaidi watazawadiwa pesa taslimu na wanasayansi wanne watapata ufadhili wa masomo ya chuo kikuu ambao utatolewa na shirika la Karimjee foundation ili waweze kuendelea kuimarisha vipaji vyao.

Maonyesho ya wanasayansi chipukizi 2018 yanalenga kuwahamasisha wanafunzi wa Sekondari kupenda Sayansi na ugunduzi na kujenga utamaduni wa kisayansi kwa vijana wa Tanzania.

Mwanzilishi wa tasisi ya Young Scientist nchini, Dr Gosbert Kamugisha akizungumza na Waandishi wa Habari juu ya Maonyesho ya Nane ya Wanasayansi Chipukizi.

Mwanzilishi Mwenza wa Tasisi ya Young Scientist Tanzania kutoka nchini Ireland akizungumza na Waandishi wa Habari juu ya Maonyesho ya Wanasayansi Chipukizi

Patricia Mhondo Meneja mahusiano kutoka kampuni ya Shell Tanzania akizungumza juu ya kampuni hiyo kudhamini maonyesho hayo.

Devota Rubama Meneja wa Mahusiano wa Karimjee Foundation

## MEDIA COVERAGE DURING YOUNG SCIENTISTS EXHIBITION

### TELEVISIONS

a) **ITV**

The story was aired at 2000pm

**News summary**; the government has been impressed by students ability to develop special gadget for protecting people with albinism, and declare to develop special schools. Minister said during the YST exhibition held in Dar es Salaam.

**View at :**

https://www.dropbox.com/s/u67rbtecy8epu1v/TV%20-%20ITV.mp4?dl=0

b) **Azam TV**

The news was aired at 2000pm evening

**News summary**: Msalato Girl's Secondary School students emerged winners of the YST 2018

c) **EATV**

The story was aired at 2000pm evening

**News summary**: Kibiti secondary students come up with technology to protect people with albinism when they face with trouble. While minister Ndalichako vow to develop students' talents.

View at :

https://www.dropbox.com/s/gt4qolyzjewwpf1/TV%20-%20EATV.mp4?dl=0

d) **Channel Ten**

The story was aired at 1900pm

**News summary**: The government has urged the Commission for Science and Technology (Costech) to supervise and develop science talents ofprimary and secondary students in order to encourage students to study science subjects.

**View at:**

https://www.dropbox.com/s/i1a9hkl5t4nkxpq/TV%20-%20CHANNEL%2010.mp4?dl=0

**RADIOS**;

a) **Upendo fm radio**

The story was aired at 1900pm

**News summary**: the government has encouraged the society to help young scientists achieve their dreams through science.

**Listen at:**

https://www.dropbox.com/s/kgof7qri5ghra3a/RADIO%20-%20UPENDO%20FM.mpeg?dl=0

b) **Efm radio**

The story was aired at1900pm

***News summary***: Young scientists develop a technology to help people with albinism to protect them from abduction.

c) **East Africa radio**

The story was aired at 1900pm

***News summary***; the government has been impressed by the technology developed by students to use hair to produce manure during the YST exhibition.

**Others:**

**ZBC Radio**

**https://www.dropbox.com/s/fkswyjz9ej1re3h/RADIO%20-%20ZBC%20RADIO.mp4?dl=0**

**NEWSPAPERS**

The Guardian

The story was published on August 4, 2018

***News summary***; Ndalichako reaffirms efforts to girls' science, technology embrace

# Ndalichako reaffirms efforts to girls' science, technology embrace

**By Correspondent James Kandoya**

THE government has reaffirmed its commitment to continue engaging other stakeholders in efforts aimed to help young people especially girls, embrace and channel technology for betterment of their life opportunities.

The Minister for Education, Science and Technology, Prof. Joyce Ndalichako affirmed this position at the formal launching of the 8th Annual Scientific Exhibition in Dar es Salaam yesterday, attended by over 200 students from the Mainland and Zanzibar.

Experience had shown that there was no developed nation that hadn't hugely invested in science, she said, noting that investing in youths was crucial for development to be assured in the next generation.

The minister noted Young Scientist Tanzania (YST) collaboration with various partners resonates with the fifth phase government agenda of reaching an industrial economy.

"I would like to assure you that the government will continue working with partners to inculcate a culture of pursuing science subjects in order to realize an industrial economy by 2025," she said.

Prof. Ndalichako urged YST to forge collaboration with higher learning institutions in the country to ensure that young people, and especially women, embrace and channel technology for wide ranging purposes.

"So much positive change can come from harnessing innovation and technology through the imagination of youth - it can open their minds, show them the power of what they can achieve to work toward a positive future," the minister underlined.

YST Executive Director Dr Gosbert Kamugisha said that during this year's exhibition more than 200 applications had been received so far.

"YST is proud of the works submitted from different applicants from the Mainland and Zanzibar. What they need is your support," he said.

"Technology and science have the power to transform lives - to take humankind where no one has gone before, effect change, and better the Earth and beyond.

"But the current cohort of young people, so far the most technologically integrated generation, has the potential to use technology for what is good."

Representing the Karimjee Jivanjee Foundation (KJF), Jasmine Karimjee said "our duty is to create a platform for young scientists to show case their work."

Karimjee Jivanjee provide university scholarships to overall winners in each year's scientific exhibition, where it has up to now injected over 25 million dollars for the purpose.

During the exhibition, Msalato Girls secondary school of Dodoma emerged the overall winner followed by St Juhudi Secondary school of Arusha as runners up.

**The Guardian**; Photo was published on August 4, 2018

Caption; Education, Science, Technology and vocational training minister Prof. Joyce Ndalichako (R) presents a trophy to Msalato Girls Secondary School students Farida Kwingwa (2nd R) and Wilhemina Martin Msemwa after they emerged first winners in a Young Scientists exhibition held in Dar es Salaam on Thursday. Others are Marc den Hartog (L) and Jasmine Karimjee.

Education, Science, Technology and Vocational Training Minister Prof. Joyce Ndalichako (R) presents a trophy to Msalato Girls Secondary School students Farida Kwingwa (2nd R) and Wilhelimina Martin Msoma after they emerged first winners in a Young Scientists exhibition held in Dar es Salaam on Thursday. Others are Marc den Hartog (L) and Jasmeen Karimjee. PHOTO: Correspondent Getrude Mpezya

Daily News
The story was published on August
***New summary***; 2 Msalato schoolgirls scoop YST award

# 2 Msalato schoolgirls scoop YST award

By CHRISTINA MSEJA

TWO students of Msalato Girls Secondary School in Dodoma Region emerged winners of the Eighth Young Scientists Tanzania (YST) exhibition and competition for designing an Exploration of salt Content in Herbs 'vibigili' for animal feed.

At the event held in Dar es Salaam, yesterday evening, the Form Four girls Farida [illegible] and Wilhelmina [illegible] were awarded a shield, 1.5 million/- cash and were also offered scholarship by the Karimjee Jivanjee Foundation to study science courses at university.

"Congratulations to the winners of the competition. The government is looking for the best way to support young scientists and their creativities for the development of the country," said the Minister for Education, Science, Technology and Vocational Training, Professor Joyce Ndalichako, who was the guest of honour at the event.

Minister Ndalichako also congratulated YST, who are the organisers of the event and sponsored by BG Tanzania, a subsidiary of Royal Dutch Shell Plc. She commended teachers for their support in training the students and urged the students to work hard to take their innovations further.

"We will continue to improve teaching and learning environment for the better future of our young scientists to develop their talents and skills for the benefit of our country and be able to solve different problems which are found in the society," she said.

She also noted that Tanzania Commission for Science and Technology (COSTECH) should use these young scientists so that in the coming years, Tanzania can get some unique innovations which will be found and made in the country, and surprise the world.

She further called upon all students to come forward and showcase their talents and skills on science studies and become innovators in future.

At the same occasion, the YST Board Chairman, Dr Yunus Mgaya said that the government has provided good support to the innovation sector. The programme has become a national science competition and the students are travelling from all regions across the country to showcase their scientific skills.

"The project is helping students to engage in various [illegible]

**Habari Leo**

The story was published on August 4, 2018

***News summary***; Msalato girls students emerged the overall winner for the YST 2018

HABARI 5

# Msalato wapata tuzo ya wanasayansi chipukizi

Na Lucy Lyatuu

WANAFUNZI wa kidato cha nne kutoka shule ya Sekondari ya Wasichana ya Msalato iliyoko mkoani Dodoma wameibuka washindi katika shindano la wanasayansi chipukizi baada ya kuandika wazo la mradi wa kuutumia mmea wa mbigiri kama moja ya njia ya kutengeneza vyakula vya mifugo kutokana na kuwa na chumvi nyingi.

Aidha serikali imeiagiza Tume ya Sayansi na Teknolojia (Costech) kuangalia mawazo ya miradi iliyoandikwa na wanafunzi hao na kuiendeleza ili kuendeleza kuinua vipaji vya wanafunzi pamoja na kupata wagunduzi.

Waziri wa Elimu, Sayansi,Teknolojia na Mafunzo ya Ufundi Profesa ,Joyce Ndalichako ndiye alitoa zawadi kwa washindi katika hafla ya shindano la wanasayansi chipukizi iliyofanyika jana jijini Dar es Salaam.

Tanzania, Marc den Hartog na Mwakilishi wa

# Mmea wa mbigiri ulivyowapa ushindi wanafunzi Sekondari ya Msalato

> Mkuu wa Idara ya Kemia katika Shule ya Sekondari ya Wasichana ya Msalato, Saleh Habibu anasema wanafunzi hao walikuja na wazo la kufanya uchunguzi kama kwenye mimea kuna chumvi kwa kuwa ni kiungo muhimu kwa afya ya wanyama na huwapatia hamu ya kula kwa wingi.

**Na Lucy Lyatuu**

"SHULE ya Sekondari ya Msalato imezungukwa na jamii ya wafugaji; tumekuwa tukiwaona wachungaji wa mifugo wakiwa na mifugo mingi, lakini mbuzi wakikimbilia kula zaidi mmea huu kuliko mingine."

Anasema mwanafunzi Wilhelmina Msoma wa Shule ya Sekondari ya Wasichana na Msalato akizungumzia ushindi wa shule yao iliyopo Dodoma katika Shindano la Wanasayansi Chipukizi linalofanyika kila mwaka likiandaliwa na Shirika liitwalo 'Young Scientist Tanzania (YST) kwa kushirikisha wanafunzi wa shule za sekondari.

Katika shindano hilo, wanafunzi sambamba na walimu wao, wanapaswa kuwa na wazo linaloleta suluhisho katika jamii.

Katika shindano la mwaka huu lililowashirikisha wanafunzi 200, wanafunzi wa Kidato cha Nne katika shule hiyo ya wasichana wanaeleza namna matumizi ya rasilimali zilizopo nchini zinavyoweza kutumiwa katika viwanda na kutengeneza vyakula vya mifugo.

Kwa mujibu wa wanafunzi hao, katika jamii ya wakazi wa mkoani Morogoro, mmea uitwao mbigiri wenye miiba mingi umekuwa ukitumika kama dawa ya kutibu tezi za kooni na vidonda mdomoni.

Wanasema, katika jamii hiyo, mmea huo unatumika kama dawa kwa ugonjwa huo na ukiaminika kutibu mgonjwa na kumfanya apone ndani ya siku tatu.

Hata katika mashindano hayo wanafunzi hao wanasema, waliamua kuutumia mmea huo kisayansi, kubaini kilichomo ndani yake kinachoufanya kuwa kivutio kwa mbuzi kuupenda zaidi na kuutumia kwa wingi kama chakula cha mifugo hiyo licha ya kuwa na miiba mingi zaidi ya mimea mingine.

Katika shindano hilo lililofanyika Agosti 1 na 2, mwaka huu Dar es Salaam, wanafunzi hao wa Msalato waliandika wazo la mradi wa kuutumia mmea wa mbigiri kama moja ya malighafi za viwandani kwa ajili ya kutengeneza vyakula vya mifugo kutokana na mmea huo kuwa na chumvi nyingi.

Wanasema mara nyingi wamekuwa

Inaendelea Uk. 17

# Mmea wa mbigiri ulivyowapa ushindi wanafunzi Sekondari ya Msalato

Inatoka Uk. 13

wakijiuliza sababu za mbuzi kuupenda mmea huo na ndipo wakaamua kuandika mradi na kwamba, kutokana na bidii na umakini wao, mradi wao umeleta jawabu chanya kuhusu matumizi zaidi ya mmea wa mbigiri.

Kwamba mmea huo unaweza kutumika kiwandani kutengeneza vyakula vya mifugo ambavyo hata wanyama wengine wanaweza kuvitumia.

Mintarafu sababu za mbuzi kuupenda zaidi mmea huu, kwa niaba ya wenzake mwanafunzi Wilhelmina Msoma anasema walitafuta wakazi wa eneo hilo na kuwaletea mmea huo shuleni.

Kwamba, kwa kushirikiana na mwalimu wao waliuanika, kuuchoma na kutumia majivu yake kuyachanyanganya kisayansi, hali iliyowafanya wabaini kuwa, ni mmea wenye chumvi nyingi inayowavutia mbuzi.

Anasema hata baada ya kubaini uwepo wa chumvi nyingi katika mmea huo, hawakujua aina ya chumvi, hivyo wakaamua kuchanganya majivu hayo na maji na kisha kuyachemsha.

Katika hatua hiyo, wakabaini chumvi kubakia chini.

Naye mwanafunzi Farida

Kwinga anasema wazo la mradi wao limetumia muda mrefu kutokana na kutumia muda mwingi kufuatilia vipindi na masomo ya darasani.

Ilibainika kuwa vimeng'enyo vilivyo katika chumvi hiyo waliyoitengeneza, na vyakula vya wanyama, ni muhimu kwa afya ya mnyama.

Baada ya uchunguzi inaonekana kuwa, zipo aina mbili za chumvi katika mmea huo ambazo ni 'sodium sulfate' na 'sodium chloride.'

Mkuu wa Idara ya Kemia katika Shule ya Sekondari ya Wasichana ya Msalato, Saleh Habibu anasema wanafunzi hao walikuja na wazo la kufanya uchunguzi kama kwenye mimea kuna chumvi kwa kuwa ni kiungo muhimu kwa afya ya wanyama na huwapatia hamu ya kula kwa wingi.

Anasema: "Huu mmea una miiba mingi, hata mtu akikuona unaikata anashangaa sana, lakini baada ya mradi huo kuwa na majibu chanya basi utengenezwe uwe ungaunga uwekwe katika vyakula vya mifugo."

Anaongeza: "Vijana (wanafunzi) hawa walikuja na mradi huo baada ya kuwasikia wazazi wao huko mkoani Morogoro wakieleza kuutumia kama tiba ya asili kwa kutibu tezi za kooni na vidonda vya mdomoni; ndipo wakauleta katika maabara ili kuujua zaidi."

Habibu anakwenda mbali na kusema kwa furaha: "Mmea huu ulikuwa unaonekana kama usio na maana na ndiyo maana hata wenyeji wa Mkoa wa Dodoma hawajui hata jina, lakini kumbe, inawezekana kuna manufaa mengine zaidi katika mmea huo, kwani sasa badala ya watu kuichoma moto, kumbe wanaweza kuufanyia biashara pia."

Akizungumza katika hafla ya kuwatunuku washindi zawadi, Waziri wa Elimu, Sayansi na Teknolojia, Profesa Joyce Ndalichako anasema upo umuhimu kwa Tume ya Sayansi na Teknolojia (Costech) kuangalia mawazo mbalimbali yaliyotolewa na wanafunzi hao kwani ni eneo mojawapo ambalo Tanzania inaweza kuijulisha dunia kinachofanyika.

Anasema kupitia YST, wanafunzi wa shule za sekondari wamekuwa wakipata maarifa, elimu nzuri na hata kuwawezesha kuonesha vipaji na hata ubunifu.

"Ninatoa mwito kwa wanafunzi wengi zaidi kujitokeza na kupata ubunifu zaidi," anasema Profesa Ndalichako na kuongeza kuwa, ubunifu huo unapaswa kuendelezwa.

'Mkurugenzi Mtendaji wa YST, Dk Gosbert Kamugisha anasema kazi zinazowasilishwa na wanafunzi hao ziko katika nyanja za sayansi kama kemia, fizikia, hesabu, bayolojia, mazingira, sayansi ya jamii na teknolojia.

Katika mashindano hayo, wanafunzi 200 kutoka shule mbalimbali za sekondari nchini huonesha kazi zao za teknolojia ya ugunduzi na sayansi katika nyanja tofauti zikilenga kutafuta mbinu za kukabiliana na changamoto za maendeleo nchini.

Wanafunzi wanaoshinda hupata udhamini wa kusoma masomo ya sayansi katika vyuo vikuu vya elimu ya juu.

Maonesho ya kazi hizo za wanafunzi yaliyoanza nchini mwaka 2012 yamelenga kusaidia kuinua ari ya wanafunzi kusoma masomo ya sayansi ili kusaidia kuchochea upatikanaji wa wataalamu wengi katika eneo la sayansi na kufanya kazi katika viwanda.

"Washindi walioonesha ugunduzi mzuri wamepewa pesa taslimu, medali na vifaa vya maabara," anasema na kuongeza kuwa, mshindi wa kwanza atapata ufadhili wa kusomeshwa elimu ya chuo kikuu udhamini unaotolewa na shirika la Karimjee Jivanjee Foundation ili kuendelea kuimarisha vipaji vyao vya ugunduzi wa kisayansi.

Maonesho hayo yanayohamasisha wanafunzi wa sekondari kupenda sayansi na ugunduzi, na kuwajengea utamaduni wa kisayansi kwa vijana wa Kitanzania, ni fursa nzuri kwa wanafunzi wa sekondari kuonesha njia madhubuti za kukabiliana na changamoto za kijamii na kiuchumi.

Mdhamini wa maonesho hayo, Devota Rubama kutoka Karimjee Jivanjee Foundation anasema kila mwaka taasisi hiyo hutoa Dola za Marekani 100,000 kudhamini wanafunzi na washindi wa shindano hili watawezeshwa kusoma vyuo vikuu.

Naye Patricia Mhondo kutoka kampuni ya utafiti, uzalishaji wa mafuta na gesi katika nchi mbalimbali ya Shell Exploration, anasema hudhamini miradi mbalimbali kwa jamii na kupitia ushindani kwa wanafunzi hao, ni eneo linalotengeneza wanasayansi muhimu katika tasnia hiyo ya mafuta na gesi.

Anabainisha kuwa, mradi huu wameufanikisha kutokana na kutumia muda wao wa ziada au wa mapumziko kuutekeleza.

Kwa pamoja wanafunzi hao wa Msalato wanawashukuru walimu

Wanafunzi Wilhelmia Msoma (kushoto) na Farida Mnyazi wa kidato cha nne katika Shule ya Sekondari ya Wasichana Msalato, wakipokea tuzo kutoka kwa Waziri wa Elimu, Sayansi na Teknilojia, Profesa Joyce Ndalichako baada ya kutangazwa washindi wakati wa Mkutano Mkuu wa Nane wa Mwaka wa Maonesho ya Sayansi na Teknolojia kwa Wanasayansi Vijana Tanzania (YST) katika hafla ya iliyofanyika Dar es Salaam. (Picha na Venance Nestory).

kwa hali na mali hadi kuufanikisha ukiwa na majawabu chanya wanayosema, ni suluhisho katika mchango wa kuifanya Tanzania ya viwanda kwani mmea huo ukitumika vema, utakuwa malighafi za viwanda na utachochea ufugaji bora kupitia lishe ya mifugo.

Wanasema walimu walijitahidi kuhakikisha mmea huo unapatikana shuleni, kuwasimamia kwa usaidizi unaohitajika hapa na pale na hata kuwasaidia kutayarisha machapisho ya ripoti ya mradi huo.

Kuhusu changamoto, wanafunzi hao wanasema kubwa ilikuwa namna ya kugawa muda wao bila kuathiri ratiba nyingine, hasa muda wa masomo ya darasani.

Wanasema namna ya kukabili changamoto hiyo, ilikuwa ni hasa kutumia muda wao wa ziada na kwamba, changamoto nyingine waliyoiona japo haikutosha kuwakatisha tamaa, ni kuchomwa miiba iliyopo katika mmea huo.

Wanafunzi wanapongeza uwepo wa maabara nzuri shuleni hapo kwani kila kemikali waliyohitaji ili kutambua aina ya chumvi iliyopo katika mmea huo waliipata.

**Mwananchi**

**News summary**; liboru students has develop a system to track mobile communication at school area

# Wanafunzi Ilboru wabuni mtambo kunasa mawasiliano ya simu shuleni

**02**

Idadi ya wanafunzi waliobuni mtambo wa kunasa mawasiliano ya simu kwa wanafunzi wenzao

**Mtambo huo umeunganishwa na 'simu janja' ya mkuu wa shule na msimamizi wa wanafunzi**

Elizabeth Edward, Mwananchi
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**Dar es Saaam.** Wanafunzi wawili wa kidato cha sita katika Shule ya Sekondari Ilboru iliyopo mkoani Arusha wamebuni mtambao wa kunasa mawasiliano ya simu yanayofanyika ndani ya mazingira ya shule.

Wanafunzi hao, Boris Massesa na Adam Rueben wametengeneza mtambo huo ili kukabiliana na changamoto ya matumizi ya simu kinyemela kwa wanafunzi.

Mtambo huo umewawezesha wanafunzi hao kupata tuzo ya wanasayansi chipukizi katika kipengele cha teknolojia.

Akizungumza na mwandishi wa gazeti la Mwananchi katika hafla ya utoaji wa tuzo hizo iliyoandaliwa na Taasisi ya Young Scientist Tanzania (YST) jijini hapa, Massesa alisema wazo la kutengeneza mtambo huo walilipata mwaka jana baada ya wanafunzi wa kidato cha nne kunaswa wakitumia simu kuvujisha mtihani wa Taifa.

"Jambo hilo lilituuma, tukaumiza kichwa mimi na rafiki yangu ndipo tukapata wazo la kutengeneza mtambo huu," alisema Massesa.

Pia, alisema mtambo huo waliuotengeneza umeunganishwa na 'simu janja' ya mkuu wa shule, msimamizi wa wanafunzi na mwalimu wa nidhamu.

"Endapo mawasiliano yoyote ya simu ya mwanafunzi yatafanyika bwenini au katika mazingira ya ndani ya shule, iwe imepigwa au meseji, kule kwa walimu watapata taarifa."

Aliongeza kuwa tangu mtambo huo umeanza kufanya kazi wanafunzi wanne wamekamatwa.

Waziri wa Elimu, Profesa Joyce Ndalichako alisema: "Sheria haziruhusu mwanafunzi kuwa na simu, lakini wengi wamekuwa wakitafuta namna ya kuwa nazo na kufanya mawasiliano ambayo hayana tija katika masomo yao. Na ndiyo sababu tunapata matokeo mabaya na mabweni kuungua moto, hii yote ni kwa sababu wanafunzi wanahangaika kuchaji simu."

Mwenyekiti wa bodi ya YST, Profesa Yunus Mgaya alisema lengo la wanafunzi kubuni miradi ya kisayansi ni kuleta mabadiliko au kutatua changamoto zilizopo ndani ya jamii.

Katika tuzo hizo wanafunzi wa Shule ya Sekondari Msalato, Farida Mnyazi na Whelmina Msoma waliibuka washindi wa jumla na kuzawadiwa Sh1.3 milioni, udhamini wa masomo ya chuo kikuu kutoka Taasisi ya Karimjee Jivanjee na safari ya Afrika Kusini kutoka Kampuni ya Siemens.

Wanafunzi hao walifanya utafiti na kubaini kiwango cha chumvi kilichopo kwenye mmea aina ya mbigiri kinasaidia afya ya wanyama wanaokula majani.

**Feature article;**

***News summary***; Iliboru students have develop a system to track mobile communication in the school

# Wanafunzi Ilboru watengeneza kifaa kuwanasa wanaotumia simu shuleni

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Kuendelea kuona changamoto ni kikwazo ni sababu inayowakwamisha watu wengi na kukata tamaa kusonga mbele. Lakini changamoto ikionekana kuwa ni fursa, huo huwa mwanzo mzuri wa maendeleo na kuikwamua jamii kutoka kwenye tatizo sugu.

Hivyo ndivyo walivyofanya Boris Massesa na Adam Rueben kwa kubuni teknolojia inayoweza kunasa mawasiliano ya simu katika eneo ambalo haliruhusiwi simu kutumika.

Wanafunzi hawa wa kidato cha sita katika Shule ya Sekondari Ilboru mkoani Arusha wamebuni mtambao unaoweza kunasa mawasiliano ya simu ya wanafunzi yanayofanyika ndani ya mazingira ya shule.

Kwa wanafunzi wa shule za bweni watakuwa wanafahamu hili kuwa licha ya sheria za shule nyingi kukataza wanafunzi kutumia simu wakiwa shuleni, wapo ambao wanatumia simu hizo kwa kificho na kuzificha katika mazingira ambayo ni nadra kwa mwalimu kushtukia.

Lakini wanafunzi hawa ambao si vibaya kuwaita wanasayansi chipukizi, wamekuja na tiba ya uvunjaji huo wa sheria za shule kwa nia njema ya kuwafanya wanafunzi wazingatie zaidi masomo wanapokuwa shuleni.

INAENDELEA UK 22

# watengeneza kifaa kuwanasa wanaotumia simu wakiwa shuleni

INATOKA UK 21

Kipaji cha vijana hawa kimeonekana kwenye maonyesho ya wanasayansi chipukizi yaliyoandaliwa na taasisi ya Young Scientists Tanzania (YST) na kufanikiwa kutwaa tuzo katika kipengele cha teknolojia.

Nyuso zao zikiwa zimegubikwa na furaha vijana hawa wanazungumza na mwandishi wa makala hii na kumueleza kilichowasukuma kutengeneza mtambo huo.

Massesa anasema wazo la kutengeneza mtambo huo liliwajia mwaka jana baada ya kukithiri kwa matumizi ya simu kwa wanafunzi kinyume na sheria za shule zinavyoelekeza.

Anasema, "Ni jambo ambalo lilikuwa linatupa shida na kutuumiza vichwa mimi na rafiki yangu ndipo tulipofikia wazo la kutengeneza kitu ambacho kitatambua endapo mawasiliano yatakuwa yanafanyika miongoni mwa wanafunzi ndani ya shule.

"Hapo tukamfuata mwalimu wa miradi pale shuleni tukamuelezea wazo letu naye akawa pamoja na sisi kwa kuwa lengo letu lilikuwa jema ikizingatiwa kuwa matumizi ya simu ni suala ambalo walimu wamekuwa wakilipigia kelele kwa muda mrefu," anasema Massesa.

Iliwachukua takribani miezi 10 kwa wanafunzi hao kukamilisha mtambo huo ambao tayari umeanza kufanya kazi, huku vifaa vingi wakivinunua kutokana na fedha zao wanazopewa kwa ajili ya matumizi shuleni.

Takribani Sh600,000 wamezitumia kununua baadhi ya vifaa na hatimaye mtambo huo ukakamilika na kuanza kufanya kazi.

**NUKUU**

**"Sheria haziruhusu mwanafunzi kuwa na simu lakini wengi wao wamekuwa wakitafuta namna ya kuwa nazo na kufanya mawasiliano ambayo kwa hakika hayana tija katika masomo yao na ndio sababu tunapata matokeo mabaya na mabweni kuungua moto, hii yote ni kwa sababu wanafunzi wanahangaika kuchaji simu."**

**Profesa Ndalichako.**

## Unafanyaje kazi?

Mtambo huu umeunganishwa na simu za baadhi ya walimu ambao hupelekewa taarifa endapo mawasiliano yoyote yatafanyika bwenini au katika mazingira ambayo mara nyingi wanakuwepo wanafunzi.

Mtambo huo umekwenda sambamba na uwepo wa 'application' (App) ambayo pia imetengenezwa na vijana hao ikiwa na uwezo wa kunasa na kuhifadhi mawasiliano yote ya simu yaliyofanyika kutwa nzima.

App hii imeunganishwa kwenye simu za walimu shuleni hapo ambayo kazi yake ni kutoa taarifa kuhusu mawasiliano ya kutwa nzima yaliyofanyika na kunaswa na mtambo huo.

Kwa jinsi mtambo huo ulivyotengenezwa una uwezo wa kunasa endapo simu au ujumbe mfupi utaingia kwenye simu iliyo katika mazingira husika hata kama imefichwa sehemu gani, itatoa ishara kuonyesha kuna simu katika eneo hilo.

"Mwalimu hatopata ujumbe uliotumwa wala kusikiliza mazungumzo ya kwenye simu ila atapata taarifa kuwa kuna simu na kuanzia hapo ataweza kufuatilia hadi kubaini mahali ilipo na mhusika," anasema Reuben.

Haiishii hapo pia atakayejaribu kutumia intaneti kutafuta kitu chochote mtandaoni naye hatakuwa salama taarifa zake zitanaswa kama wale wanaopigiwa na kupokea ujumbe mfupi.

Tangu mtambo huo uanze kufanya kazi shuleni hapo tayari wanafunzi wanne wameshanaswa wakiwa wanatumia simu na hatua za kinidhamu zilichukuliwa dhidi yao.

## Mahusiano na wanafunzi wenzao

Wakati uongozi wa shule ukifurahia uwepo wa teknolojia hiyo kwa baadhi wa wanafunzi teknolojia hiyo imekuwa ni tatizo linalosababisha hadi kuwachukia wabunifu wa kifaa au mtambo huo.

Reuben anaeleza kuwa wamejikuta wakichukiwa na wanafunzi wenzao kwa kile wanachoamini wameiletea shule teknolojia inayowabana na kuwanyima uhuru wao.

Anasema hasira ya wanafunzi wenzao ilifika mbali kiasi cha kuuficha mtambo huo siku chache kabla ya kuja Dar kwa ajili ya kuonyesha ubunifu huo kwenye maonyesho ya wanasayansi wachanga.

"Lengo letu si kuwakomesha wenzetu tunataka sheria za shule zifuatwe wanafunzi tusome kwa bidii haipendezi mtu kuharibiwa maisha kwa kitu ambacho siku zote kitakuwepo utakutana nacho na

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Boris (kushoto) na Reuben wakionyesha kifaa walichokibuni ambacho kina uwezo wa kubaini matumizi ya simu mashuleni. Kifaa hicho kinaweza kutumiwa na walimu katika shule ambazo wanafunzi hawaruhusiwi kutumia simu. **Picha na Elizabeth Edward**

...ruhusiwi kutumia simu. **Picha na Elizabeth Edward**

utatumia hadi utachoka.

"Ila wenzetu wanahisi tofauti bahati nzuri mkuu wa shule siku zote anahakikisha tupo salama na kila siku jioni anamuagiza mlinzi aje kutuangalia bwenini kuhakikisha usalama wetu na taratibu wanafunzi wenzetu wanaanza kuelewa,"

Ndoto ya wanafunzi hao ambao wanasoma mchepuo wa sayansi wakichukua masomo ya Fikizia, Kemia na Hesabu ni kuongeza zaidi ujuzi wao kwenye fani ya ulinzi wa mtandao (cyber security).

"Hatufikirii kuishia hapa tunataka kuongeza ujuzi zaidi, akitokea mtu akatusaidia huko mbeleni itakuwa msaada mkubwa kwetu maana tunamaliza kidato cha sita muda si mrefu na tunatamani kusomea cyber security ili siku moja tubobee kwenye masuala hayo,"anasema Massesa

Mwalimu wa miradi katika shule ya Ilboru, Eudora Eliafye anasema wanafunzi hao walipomfuata kumuelezea kuhusu wazo lao aliwapokea kwa mikono miwili na kuwatia moyo.

Hilo lilitokana na wao pia kuchoshwa na kesi za matumizi ya simu kwa wanafunzi hivyo aliwaeleza vijana hao namna ya kufanya utafiti kabla ya kufikia kutengeneza mtambo huo.

"Tulipita kwenye shule saba mkoani Arusha tukijaribu kufanya utafiti wa matumizi ya simu kwa wanafunzi ndipo tukapata matokeo kwamba wengi wao wanazitumia kwa mambo yasiyofaa hivyo ikaonekana kweli ipo haja ya kuhakikisha matumizi ya simu shuleni yanakomeshwa.

"Ingawa tulifahamu kuwa vijana hawa wamefanya kazi kubwa lakini sikutegemea kama ingepokelewa vizuri namna hii hadi kufikia hatua ya kuibuka washindi kwenye kipengele cha teknolojia, najivunia wanafunzi hawa."

Miongoni mwa watu waliopata fursa ya kuuona mtambo huo ni Waziri wa Elimu Profesa Joyce Ndalichako. Naye alionyesha kuvutiwa na mradi huo na kuahidi kuufuatilia ili ikiwezekana uwekwe katika shue zote za Serikali.

Profesa Ndalichako anasema Serikali inaendelea kutafuta mwarobaini wa kuzuia matumizi ya simu za mikononi kwa wanafunzi wakiwa shuleni kwa kile alichodai kuwa zimekuwa zikichangia kwa kiasi kikubwa matokeo mabaya hasa kwa shule za Serikali.

"Sheria haziruhusu mwanafunzi kuwa na simu lakini wengi wao wamekuwa wakitafuta namna ya kuwa nazo na kufanya mawasiliano ambayo kwa hakika hayana tija katika masomo yao na ndio sababu tunapata matokeo mabaya na mabweni kuungua moto, hii yote ni kwa sababu wanafunzi wanahangaika kuchaji simu," alisema Profesa Ndalichako.

Profesa Ndalichako pia anawatia moyo vijana na kuwasisitiza wasikate tamaa kwani ubunifu wao unahitajika hasa katika kipindi hiki ambacho nchi imejikita katika kujenga uchumi wa viwanda.

Anasema kwamba hakuna viwanda kama hakutakuwa na wanasayansi ambao watakuwa wanafanya kazi usiku na mchana kubuni teknolojia zitakazokuwa na tija kwa jamii inayowazunguka na Taifa kwa ujumla.

**Nipashe**

The story was published on August 3, 2018

***News summary***; the government has outlined the reason for special schools to drop during the YST exhibition that took place in Dar es Salaam.

8 **Nipashe** Ijumaa Agosti 3, 2018

**HABARI ZA KITAIFA**

# Sababu shule vipaji kushuka kitaaluma

**Na Elizabeth Zaya**

WAZIRI wa Elimu, Sayansi na Teknolojia, Prof. Joyce Ndalichako, ametaja sababu ambazo zilikuwa zikichangia shule maalum za vipaji kushuka kitaaluma.

Moja ya sababu hizo alisema ni kukosekana kwa usimamizi mzuri wa shule hizo na usimamizi mzuri wa uchujwaji wa wanafunzi wanaojiunga katika shule hizo.

Alisema serikali imejipanga kuhakikisha inasimamiwa vizuri kuzilinda pamoja na kuweka utaratibu maalum, ili ziendelee kuwa na heshima yake.

"Shule za sekondari za vipaji zilikosa usimamizi na pia utaratibu wa kuchuja wanafunzi wanaokwenda kwenye shule hizo haukuwa unafanyika vizuri, na ndio maana ukachangia shule hizi kushuka kitaaluma, tunatakawanafunzi wenye uwezo mkubwa wapate elimu kulingana na uwezo wao," alisema Prof. Ndalichako na kuongeza:

"Tayari tumekwishaweka utaratibu kuhakikisha zile shule zetu za vipaji ikiwamo Ilboru, Kilakala, Mzumbe na nyinginezo za vipaji kuwa na heshima na hadhi yake, tumegundua kwamba baadhi ya wanafunzi ambao wamekuwa wakienda katika shule hizo hawana zile sifa ambazo shule zinahitaji, kwa hiyo tumejipanga kulinda heshima yake kwa kuimarisha usimamizi na utaratibu wa mchujo wa wanafunzi."

Alisema serikali imefurahia matokeo ya kidato cha sita shule za serikali kuongoza na kwamba inajipanga kuziboresha ili kuhakikisha na matokeo ya kidato cha nne nayo yanakuwa mazuri.

Prof. Ndalichako alitoa kauli hiyo jana jijini Dar es Salaam wakati akifunga maonyesho ya nane ya wanasayansi chipukizi yaliyoandaliwa na Shirika la Wanasayansi Chipukizi Tanzania (YST).

Profesa Ndalichako pia aliiomba Tume ya Taifa ya Sayansi na Teknolojia (COSTEC), kusimamia vipaji vya ubunifu wa kisayansi kwa wanafunzi shuleni kuanzia ngazi ya awali hadi juu.

Alisema COSTEC ina umuhimu mkubwa wa kuangalia vipaji hivyo kwa kuangalia namna gani wanaweza kuvitumia katika kuboresha utafiti wao.

"Kuna mradi nimeuona unatumia nywele kutengeneza mbolea, hivyo ubunifu huo unabidi kuendelezwa ili kuwawezesha vijana wetu kufanya vitu vikubwa kwa maendeleo ya taifa.

"Sayansi ina umuhimu sana kwa sababu mambo tuliyoyaiga yalianza kubuniwa na mtu, sasa kupitia vijana hao Tanzania tutapata vijana wataisababishia dunia kutambua kitu kilichogundulika nchini," alisema.

Naye Mkurugenzi Mkuu wa YST, Dk. Gozbert Kamugisha, alisema maonyesho hayo yamewashirikisha wanafunzi 200 na walimu 100 kutoka mikoa yote nchini.

Alisema tangu kuanzishwa kwa maonyesho hayo mwaka 2012, jumla ya wanafunzi 5000 walishirikiana na walimu 1,000 kupatiwa mafunzo ya jinsi ya kufanya utafiti.

**Mtanzania**

The story was published on August 4, 2018

**News summary**; the Minister for education, science and technology  amazedby how hairs canbe changed intomanure

UBUNIFU

## Nywele zinazotengeneza mbolea zamshangaza Prof. Ndalichako

Na TUNU NASSORO

WAZIRI Wa Elimu, Sayansi na Teknolojia, Profesa Joyce Ndalichako, ameshangazwa na teknolojia ya kutengeneza mbolea kwa kutumia nywele huku akiiagiza Tume ya Taifa ya Sayansi na Teknolojia (COSTEC), kuvisimamia vipaji vya ubunifu wa kisayansi kwa wanasayansi chipukizi.

Akizungumza katika sherehe za utoaji zawadi kwa washindi, katika maonesho ya nane ya Taasisi ya Wanasayansi Chipukizi Nchini(YST) zilizofanyika Dar es Salaam, Profesa Ndalichako alisema vimekuwapo vipaji kwa wanafunzi mashuleni lakini vinashindwa kuendelezwa.

Alisema kazi ya COSTEC ni kuangalia vipaji hivyo na kuangalia jinsi wanavyoweza kuboresha tafiti zao na kutatua changamoto zinazoikabili jamii.

"Kuna mradi nimeuona unatumia nywele kutengeneza mbolea, ubunifu huo unabidi kuendelezwa ili kuwawezesha vijana wetu kufanya vitu vikubwa kwa Maendeleo ya taifa,"alisema Profesa Ndalichako.

Alisema vitu vingi vilivyotengenezwa kwa teknolojia, vilibuniwa na watu katika mataifa yao na kuendelezwa hivyo na Tanzania ikisimamia vipaji vya watu wake, itaweza kuibua ubunifu ambao utaiendeleza nchi kufikia ndoto ya uchumi wa viwanda.

"Sayansi ina umuhimu sana kwa sababu mambo tuliyoyaiga yalianza kubuniwa na mtu, sasa kupitia vijana hawa wataisababishia dunia kutambua kitu kilichotengenezwa nchini mwetu," alisema Profesa Ndalichako.

Katika hatua nyingine, Profesa Joyce alisema Serikali inaweka utaratibu wa kuziwezesha shule za vipaji maalumu ili zirudishe heshima kwa kuwa zilipoteza mwelekeo kwa kupelekewa wanafunzi wasiokidhi vigezo.

"Tatizo la shule hizo kuonekana kufanya vibaya ilikuwa ni wanafunzi kutochujwa vizuri katika mitihani yao, sasa tutaziwezesha ili kuongeza chachu katika ufaulu," alisema.

**Tanzania Daima newspaper**

**News summary**; the Minister for education, science and technology has been impressed by science creativity of secondary students

# Ubunifu wa wanafunzi ulivyomgusa Waziri Ndalichako

Uk. 12&13

*Mwanafunzi wa shule ya Sekondari ya mtakatifu Joseph Kolping, Fransisco Solomon akionesha roboti waliyoitengeneza kwa ajili ya kulinda barabarani.*

NA MAGRETH KABYEMELA

UTAFITI unajumuisha kazi ya ubunifu iliyofanywa kwa misingi ya utaratibu ili kuongeza maarifa ya elimu, ikiwa ni pamoja na ujuzi wa wanadamu, utamaduni na jamii na matumizi ya ujuzi katika kuunda vitu vipya.

Pia, tafiti zimekuwa zinatumika kuanzisha au kuthibitisha ukweli, kuthibitisha matokeo ya kazi ya awali, kutatua matatizo mapya au yaliyopo, msaada wa nadharia, au kuendeleza nadharia mpya.

Kwa mantiki hiyo, mradi wa utafiti unaweza pia kuwa upanuzi wa kazi ya zamani katika shamba.

Miradi ya utafiti inaweza kutumika kuendeleza ujuzi zaidi juu ya mada au kwa mfano wa mradi wa utafiti wa shule, inaweza kutumika kwa kuendelea utafiti wa mwanafunzi wa uwezo wa kuwaandaa kwa ajira au ripoti za baadaye.

Katika kuthibitisha uhalali wa vyombo, taratibu au majaribio, utafiti unaweza kuiga vipengele vya miradi ya awali au mradi kwa ujumla.

Madhumuni ya msingi ya utafiti wa msingi (kinyume na utafiti uliotumika), ni nyaraka, ugunduzi, ufafanuzi, au utafiti na maendeleo (R & D) ya njia na mifumo ya maendeleo ya ujuzi wa binadamu.

Hata hivyo, mbinu za utafiti hutegemea epistemologies, ambazo hutofautiana sana ndani na kati ya wanadamu na sayansi.

Ukija katika aina za utafiti; zipo za kisayansi, wanadamu, kisanii, kiuchumi, kijamii, biashara, masoko, utafiti wa wataalamu, maisha pamoja na teknolojia.

Kwa kutambua umuhimu wa tafiti katika kukuza maarifa na ujuzi wa wanafunzi na manufaa yake kwa taifa, Shirika la Wanasayansi Chipukizi Tanzania (YST) limekuwa likiratibu shindano la kazi za kitafiti kwa wanafunzi wa sekondari zaidi ya 200 kila mwaka.

Safari hii, maonyesho ya kazi hizo za wanafunzi yalifanyika katika Ukumbi wa Julius Nyerere International Convention Centre (JNICC), jijini Dar se Salaam

mafunzo kutoka kwa washauri wa sayansi wa YST kuhusu namna ya kutengeneza kazi zao za kisayansi.

Katika kuhimiza wanafunzi kuyapenda zaidi masomo ya Sayansi, Kamugisha anatoa wito kwa wazazi/ walezi, walimu na jamii, kila mmoja kwa nafasi yake awekeze nguvu kazi kwa kutenga muda wake kuhamasisha watoto kupenda masomo ya Sayansi.

Kwamba, jambo hilo ni muhimu kwa ajili ya kuipatia nchi wataalamu na wagunduzi watakaoipeleka katika Tanzania ya uchumi wa kati ifikapo 2025 kupitia uwekezaji wa nguvu katika sekta ya viwanda.

Kamugisha ambaye taasisi yake imefanya maonyesho yake kwa ya nane, anasema ametiwa moyo na miradi mbalimbali ya kisayansi iliyogunduliwa na wanafunzi zaidi ya 200 kutoka shule binafsi na serikali kutoka mikoa yote ya Tanzania.

Anasema, shirika hilo lililoanzishwa mwaka 2011 kwa lengo la kuhamasisha wanafunzi wa shule za sekondari zote nchini kusoma masomo ya sayansi na kuyafanya kwa vitendo zaidi, matunda yake yameanza kuonekana.

"Tuliamua kuanzisha shirika baada ya kufanya utafiti na kugundua kuna msukumo mdogo wa wanafunzi kupenda masomo ya sayansi.

"Tuliona, tukianzisha shirika ili kufumua mifumo ya fikra hasi kwa wototo ambayo ilikuwa imeota mizizi kwa miaka hiyo kuwa masomo ya sayansi ni magumu na hayawezekani alisema Kamgisha na kuongeza:

"Tulianzisha mpango wa kuwafundisha walimu kwa maana ya kuwapa ujuzi wa ni namna gani amfundisha mtoto na afikie kufanya utafiti wa kisayansi kwa maana ya ugunduzi katika Nyanja zote za kijamii, kisiasa na kiuchumi.

"Tulilenga ugunduzi huu ulenge jamii mfano katika kilimo na ufugaji ambapo kwa kiasi kikubwa tumefanikiwa kuongeza idadi ya wanafunzi wanao soma masomo ya sayansi sambamba na ufaulu ambao wanafanya ugunduzi wa

tabia za kijamii (social behavior), mfumo wa viumbe hai vinavyotegemeana (biological ecological).

Mengine ni physics (phyzikia) kemia na hesabu zote hizi katika makundi yake washindi walijinyakulia zawadi za pesa tasilimu na wachache kati yao washindi wa jumla wanapewa udhamini wa kulipiwa elimu ya vyuo vikuu katika masomo ya sayansi.

Akizungumza baada ya ufunguzi rasmi wa maonyesho hayo, Waziri wa Elimu na Mafunzo ya Ufundi, Prof. Joyce Ndalichako anasema maonyesho hayo ya tafiti za kazi za kisayansi yataisaidia serikali kuboresha ufaulu kwa wanafunzi.

Kwamba, licha ya kuwepo marufuku ya matumizi ya simu shuleni, wamekuwa wakaidi wakizitumia kiujanja ujanja jambo ambalo wenzao wamegundua teknolojia ya kuzibaini simu zilizofichwa kwa kutumia utafiti wa kiyansi hata kama zimefichwa ardhini.

"Tunapata tabu sana na wanafunzi tunawakataza kutumia simu za mkononi lakini wanaunganisha waya kwa njia za ajabu ambazo wakati mwingine zinaweza kusababisha majanga ya moto shuleni.

Ni simu hizo za mikononi ambazo wakati mwingine ninasababisha shule za Serikali kutofanya vizuri katika mitihani yao kwa sababu muda mwingi wanafunzi wanautumia katika simu.

"Lakini sasa, nafurahi sana wanafunzi wamekuja na teknolojia ya kuzifichua simu zilizofishwa chini ya mti na ardhini jambo ambalo nitaliunga mkono ili litumike katika shule zote za Sekondari.

"Kadhalika, nimependa mradi (project) inayotoa elimu juu ya saratani ya mlango wa kizazi namna ya kujikinga na saratani hiyo kwa kuepuka visababishi.

"Kwa kweli wanafunzi mmetisha, nawapongeza sana kwa kumpa moyo Rais Magufuli katika dhamira yake ya kuendeleza sayansi na teknolojia.

"Wafadhili wote mliofanikisha hili nawapongeza kwa uzalendo wa

*Waziri Wa Elimu Sayansi na Teknolojia , Profesa Joyce Ndalichako akitoa zawadi kwa Wanafunzi wa Msalato sekondari ambao, washindi wa jumla wa Maonesho ya Wanasayansi chipukizi 2018. Ni wilhelmina na Farida*

*Mwanafunzi wa shule ya Sekondari ya Vingunguti, Neema Julius akieleza namna mazingaombwe yana uhalisia wa sayansi tofauti na wanajamii wanavyofikiri.*

kuviendeleza.

Katika maonyesho hayo wanafunzi waliochukua nafasi ya kwanza kabisa katika vinyang'anyiro vyote ni kutoka shule ya Sekondari ya Msalato chini ya mradi wa kuchenjua chumvi katika mmea wa mbigiri ambao kwa asili unamiiba.

"Mmea huo una chumvi na madini, lakini wanyama hawawezi kuula kwa sababu ya miiba.

"Hivyo wanafunzi hao chini ya usimamizi wa mwalimu wao Sales Ibrahimu, mkuu wa idara ya Kemia, waliamua kuukausha mmea huo na kuuingiza katika maabara kwa utafiti wa kisayansi ambao wamebaini madini na chumvi ambayo inapatikana katka mbigiri vikiongezwa katika chakula cha wanyama vinaongeza hamu ya kula, hivyo kuwaongezea wanyama virutubisho na madini.

***Mwandishi anapatikana kwa namba 0767697690***

***Mwanzilishi mwenza wa YST, Dr. Gosbert Kamugisha akipata maelezo kuhusu matumizi ya umeme wa upepo, sauti, na mtetemo kutoka kwa mwanafunzi wa Same Sekondari, Samwel Osebius.***

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**BLOGS**

**JIJILETU BLOG**

The story was published on August 3, 2018 after the exhibition

Link of the story; Jijiletublog.blogspot.com/2018/08/ndalichako-akabidhi-tuzo-kwa-washindi.html

***News summary***; Minister for education, science and technology Prof Joyce Ndalichako present a trophy to winners of the YST exhibition 2018

**Friday, August 3, 2018**

**NDALICHAKO AKABIDHI TUZO KWA WASHINDI WA JUMLA WA MAONESHO YA YST**

WaziriWa Elimu Sayansi na Teknolojia, Profesa Joyce Ndalichako akizungumza wakati wa kufunga Maonesho ya Wanasayansi Chipukizi yaliyofanyika Jijini Dar es Salaam.

Balozi wa Uingereza Sarah Cooke akizungumza wakati wa Maonesho ya Wanasayansi Chipukizi nchini

WaziriWa Elimu Sayansi na Teknolojia, Profesa Joyce Ndalichako akitoa zawadi kwa Wanafunzi wa Msalato sekondari ambao ndio washindi wa jumla wa Maonesho ya Wanasayansi chipukizi 2018 ambao ni wilhelmina and Farida

Waziriwa Elimu Sayansi na Teknolojia, Profesa Joyce Ndalichako akiwa katika picha ya pamoja na washindi katika Maonesho ya Wanasayansi Chipukizi 2018.

Baadhi ya Wanafuzi walioshiriki katika Maonesho hayo wakifatilia utoaji wa tuzo hiz

**MICHUZI Blog**
The story was published on August 7, 2018

https://issamichuzi.blogspot.com/2018/07/wanafunzi-200-shule-mbalimbali-za.html

**FACEBOOK LIVE COVERAGE**

The Award Ceremony was aired live through YST Facebook and it had made 15,988 Views on a the social media platform/

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