

REGIONAL
SCIENTIFIC
MEETING

JOJO ROM

Author: Urban Container Gardening
Founder: Home Farmers Club
UCG Agricultural Consultancy Services

March 12, 2018
Cagyan de Oro City



Urban
Container
Gardening

A Household-based
Waste Management and
Food Security System

GARDENING-is growing food for family consumption.

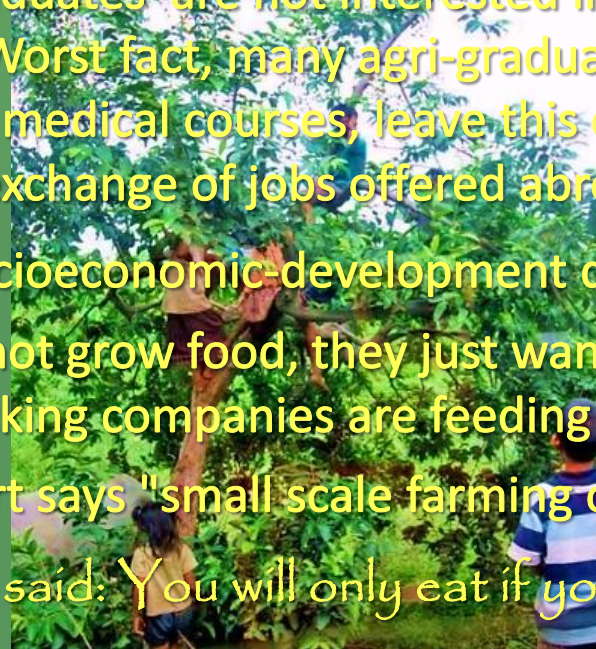
FARMING-is growing food for family and the extra is sold for community's consumption.



60% of the Philippine population has left agriculture and now residing in the urban. Urban dwellers rely on fast-foods, chemically processed “instant foods” and greatly depend on Agri- products produced by ‘those’ from the countryside.

The young generations no longer have the appreciation on agriculture because it has been inculcated by our parents that agriculture is a profession of burden and punishment.(e.g. “if you don’t study well, you will farm all your life ; RICH/POOR/FARMER/DOCTOR; nangamote, etc.)

9 out of 10 High School graduates are not interested in agri-courses thus many agri schools are closing down. Worst fact, many agri-graduates landed in non-agri-related jobs some even enrolled medical courses, leave this country and their families in exchange of jobs offered abroad.



The country’s socioeconomic-development driver is Agriculture. But 8 out of 10 people do not grow food, they just want to buy food as a result food packing companies are feeding them.

UN's latest report says "small scale farming only way to feed the world."

God said: You will only eat if you sweat

Am I my
brother's
keeper?



ONLY A HANDFUL OF FOOD PACKING COMPANIES FEEDING 80% OF THE WORLD POPULATION

WHAT IF THEY STOP TODAY?



Monsanto wins patent battle with DuPont corporation to seize full rights of GM seed patents

DU PONT

MONSANTO
BIOTECHNOLOGY
innovation - collaboration - speed

Home-made with
GMOs & antibiotics!



MENU profile 2003-2006

MEAL TIME	MON	TUE	WED	THU	FRI	SAT	SUN
BREAKFAST							
AM SNACK							
LUNCH							
PM SNACK							
DINNER							

THE ULTIMATE CERTIFYING BODY IS MY BODY

2005

Functional dyspepsia

2006

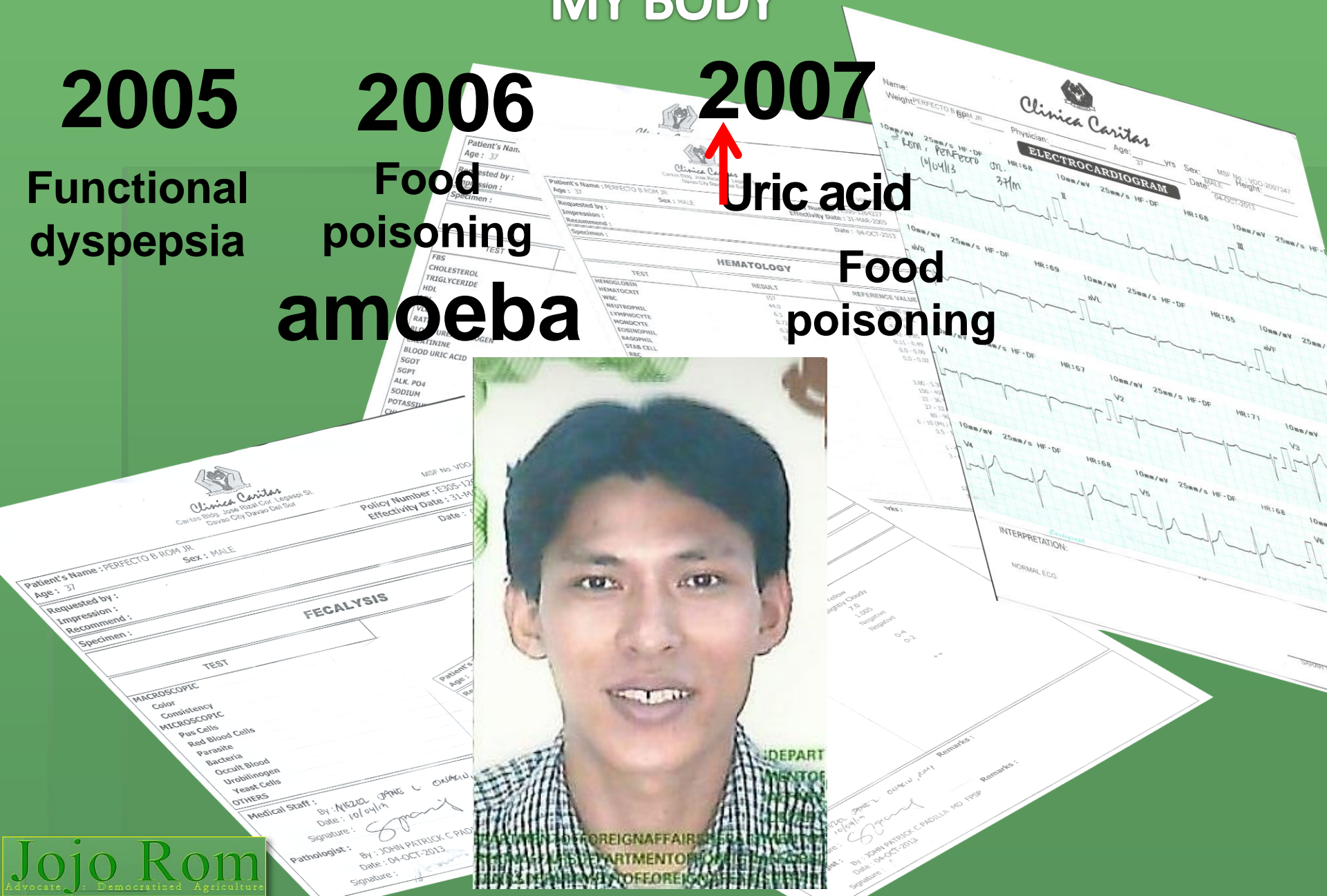
Food poisoning

amoeba

2007

Uric acid

Food poisoning



Urban Container Gardening (UCG)

Rom 2007



- An urban food production system established in a limited space to serve as nutrition garden of the household.
- A household activity that utilizes containers in growing fruits, vegetables and herbs for family consumption.
- It is the cheapest and healthiest way of food production as it utilizes bio-wastes as sources of fertilizers in growing crops.
- Emerging advocacy to democratize agriculture, address food security and waste management problems for local socio-economic development

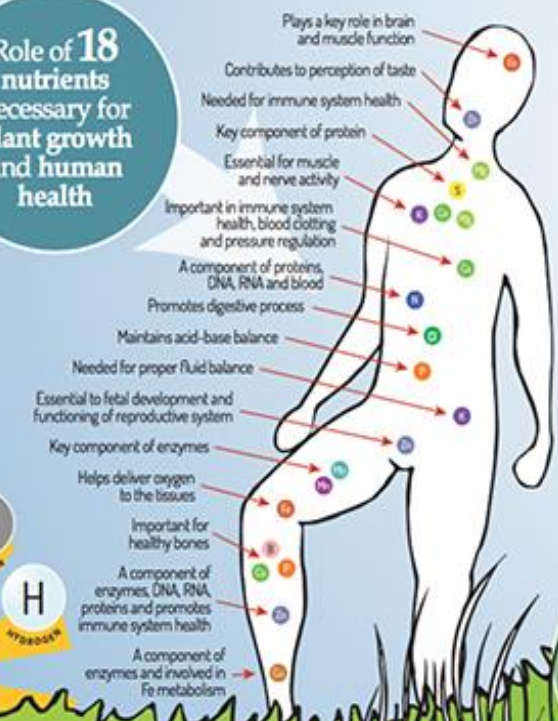
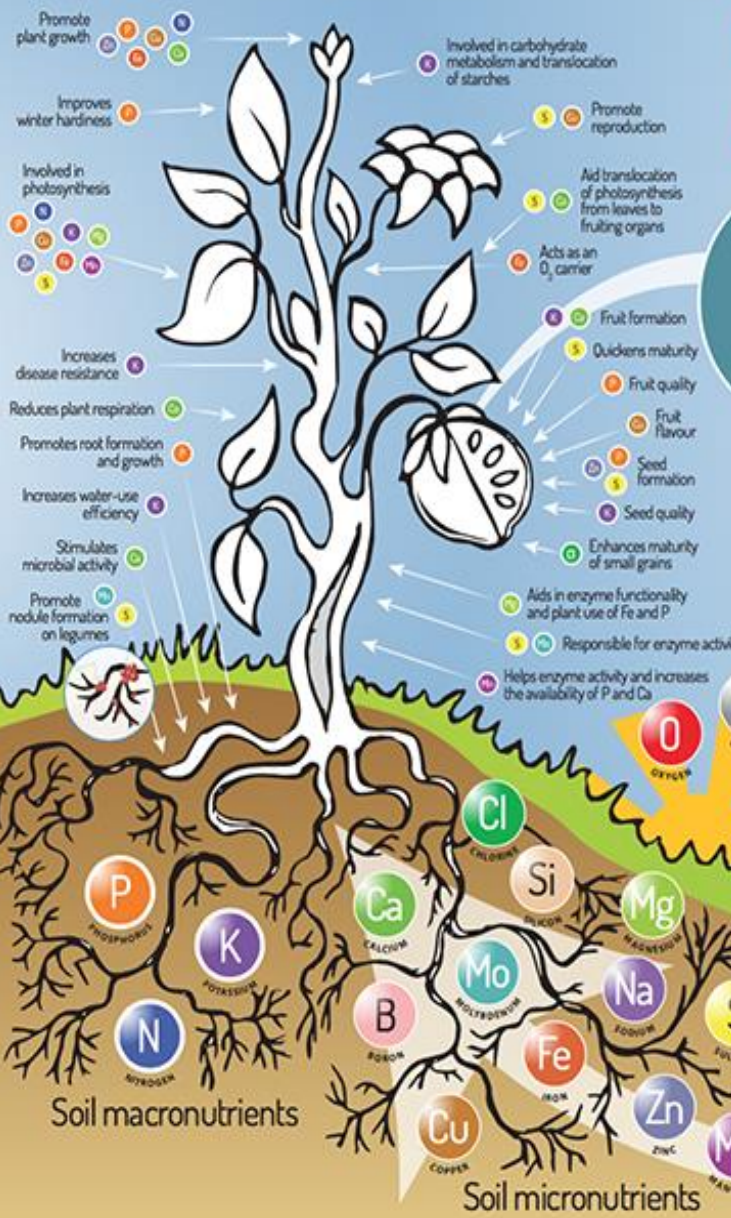
The Ecological Sanitation Philosophy:

Proposition:

Closing the loop between food production and sanitation stops the waste problem cycle

Soil the foundation of nutrition

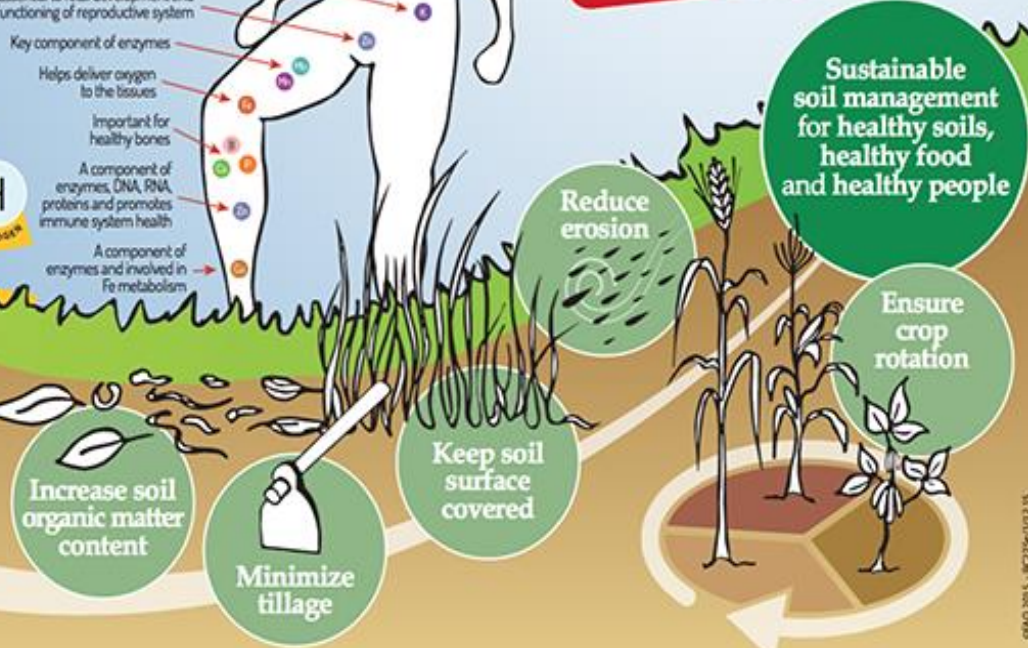
Role of 18 nutrients necessary for plant growth and human health



Soil degradation leads to the loss of soil micro and macronutrients

Nutrient-poor soils are unable to produce healthy food with all the necessary nutrients for a healthy person

Over 2 billion people suffer from micronutrient deficiencies



Urban Container Gardening

A Household-based Waste Management and Food Security System

MAXIMIZING FAMILY VACANT TIME

FRESH GARDEN HARVEST/CATCH

FAMILY FOOD SECURITY & NUTRITION

FOOD PRESERVATION & STOCKING

WASTE MANAGEMENT & TRANSFORMATION

BLACK SOLDIER FLY LARVA ANIMAL PRO-BIOTIC FEEDS

BIOGAS

HARNESSING THE 3 STATES OF MATTER

VERMI-CAST FERTILIZER

PLANT BIOMASS

EGG SHELL CALCIUM

SEMI-COMPOSTED BIOMASS

LIQUID FERTILIZER

'BM' wins 3 top prizes in Brightleaf awards



SUNDAY, 04 DECEMBER 2011 21:22 |



THE BUSINESSMIRROR won three of the seven awards given out during the 5th Brightleaf Agriculture Journalism Awards held on Friday at the Sofitel Philippine Plaza in Pasay City.

Garnering the top prize of Agriculture Story of the Year was Cagayan de Oro correspondent, Mach Alberto "Bong" Fabe, for his story titled "XU graduate practices urban container gardening."

Fabe's winning entry was a five-part series that appeared in the newspaper's Agriculture page from August 15 to 19. It bested 1,344 other entries, said Chris J. Nelson, president of Philip

Morris Fortune Tobacco Corp. Inc., which sponsors the annual event.

Fabe reported on agriculturist Jojo Rom's mission of helping promote food sufficiency by involving as many people as possible in planting their own vegetables in small urban gardens with the help of basic technology he developed.

Last year Fabe also won the grand prize of the Agriculture Story of the Year during the Brightleaf Agriculture Journalism Awards.

Also winning for the BUSINESSMIRROR were Baguio City correspondent Marilou Guieb for her piece titled "The Master's Garden: Simulating the bounty of Mother Nature" which appeared on August 16; and Mauricio Victa's photograph titled "My Leaf, My Life," which was published in the newspaper's front page on June 26.

Guieb's story won the Best Regional Agriculture News Story, while Victa's photograph was judged Tobacco Photo of the Year.

Fabe, who is in Brunei, was represented by his wife Jasmin G. Fabe. He won P50,000, an Apple iPad and, along with the other winners, an all-expenses paid trip to Malaysia sometime next year.

Jojo Rom
Advocate of Democratized Agriculture

Malaysia, Guieb also won P20,000, while Victa won P20,000 and an iPad.

AVRDC board transition: representative from Japan Naohiro Tsutsumi retires, introduces Kenichi Okada

Page 4



Small spaces, big returns

Growing vegetables in containers can improve diets and raise incomes for urban residents in the Philippines



Urban container gardening is an inexpensive way of growing food anywhere in a house using recyclable containers and soil mixed with compost made from household waste. Perfecto "Jojo" Rom, a Xavier University graduate in Crop Science, believes the method holds great promise for the Philippines, one of the most rapidly urbanizing countries in the world.

community organizer of Xavier University's Peri-urban Vegetable Project, part of the European Union- and German-funded Asia-Urbs Integrated Solid Waste Management and Food Security Project directed by Robert Holmer—who today is Regional Director of AVRDC East and Southeast Asia in Thailand.

In a recent article in the Philippine Business Mirror by Bong D. Fabe, Robert highlighted the value of Rom's approach. "For optimum nutrition, vegetables should be



Jojo Rom tends part of his 30-square-meter container garden at his home in Davao City, Philippines. Photo (right) courtesy of Bong D. Fabe, Business Mirror.

fresh when consumed," Holmer said. "Where refrigeration is limited, production of vegetables near the places they are consumed is an advantage."

Holmer noted that Rom's crusade to encourage more urban families to grow their own food has benefits beyond the table. "Biodegradable wastes can be reused as fertilizer and contribute to overall urban environmental management," he said.

The high cost of fresh produce is one reason why vegetable consumption in the Philippines is the lowest in Asia. According to the

Philippine Association of Nutrition (PAN) and the Food and Nutrition Research Institute (PNRI), the average Filipino household spends more than 40% of its income for food, while the poorest Filipinos allocate almost 60% of their household budget to feed their families.

Home vegetable production can decrease household expenditures on food and also bring in extra income for the family. Rom's own garden, which he has been tending since 2007, is a good example. "Based on my records, my 30-square-meter container garden's

average production capacity is 60 kilograms of vegetables a month," said Rom. "To date, our highest monthly saving on food was P2,000." He and his family have just started selling their extra harvest this year. "At full production, I can earn a net income of P5,000," he added.

The family diet has improved with the addition of home-grown vegetables to meals, Rom said. They have a wider selection of nutritious, fresh produce to enjoy, and peace of mind from knowing the food was grown without harsh chemical pesticides.



Almost any type of container can be used for growing vegetables: plastic bottles and bags, large food cans, flower pots, wooden boxes, peels, buckets, baskets, drums, and nursery flats. Drainage is important. In the center photo, drainage holes are made in the bottom of a plastic bottle; the top is cut off and placed inside the bottle over the holes. This helps to provide air to the roots.



Container Gardening Alliance added 17 new photos to the album PALLETS.



Willem Van Cotthem

Honorary Professor of Botany, University of Ghent (Belgium). Scientific Consultant for Desertification and Sustainable Development.

<https://desertification.wordpress.com/2011/11/28/fighting-drought-and-desertification-in-just-one-single-photo-enjoy-some-comments-jojo-rom-willem-van-cotthem/>

<https://desertification.wordpress.com/2011/11/21/need-food-grow-it-yourself-on-your-balcony-or-rooftop-jojo-rom-willem-van-cotthem/>

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Changing the World, One Pot at a Time

By Joel B. Escovilla
Photos by Ricky Abangolan

Society is captivated by symbols. They are a reminder for people to never forget about their culture, while also serve as inspiration to transcend their nature. But the enchantment of symbols lies in the subtlety. The meaning can both be familiar and strange at the same time.

There are symbols, and there are examples.

This is the story of Perfecto "Jojo" Rom, an agriculturist and non-government worker who quit his job several years ago to promote urban gardening.

In the global struggle to contain the impact of climate change, he is not a symbol of some lofty ideas. His advocacy is rooted to the earth—that very same dirt staining his fingernails every morning when he goes to his small yard which has since been converted into a vegetable garden and fish pond all in one.

"You don't have to take to the streets to make a difference about climate change. You don't have to lobby for huge funding. Although it's human nature to always do something symbolic, you can start with a single pot and plant a vegetable," Rom said.

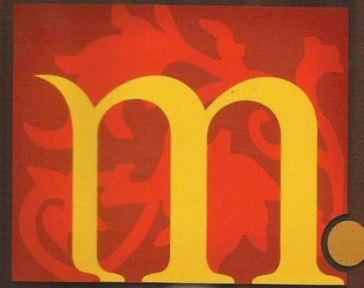
"You can make your own small contribution to the environment while solving the problem of food security at the same time," he added.

Space is not the problem

Necessity is the mother of innovation. In the same vein, the genesis of urban farming can be traced to the scarcity of space. This is one of the main reasons why he developed "Urban Container Gardening," precisely to take away the security blanket from the families. No, you don't need space for urban farming. At least, not much anyway.

For example, Rom's own garden in his house in SGR Village—a low-cost subdivision in Catusan Grande about 30 minutes from downtown Davao City—is contained in a 6-square meter space in a "risik," which are.

Jojo Rom
Advocate of Democratized Agriculture



life & living in
mindanao

VOLUME 5 NO. 4

Tawi-Tawi:
Tales from the Edge of the Archipelago

Convention of
ASIAN MAGICIANS

Coming Home:
Teddy Casiño's Davao

Sweet Celebration in the
Island Born of Fire

Kakao Konek:
Leading the Philippines 2020 Cacao Challenge

+
SPECIAL FEATURE Sibling Alliance



A Star is Born
KZ Tandingan

Php 120





ABS-CBN



LUNHAW
AWARD 2012
WINNER:

Lunhaw
Award
2012

LIGHT BRINGER 2016



I ♥
Mati


Republic of the Philippines
PROVINCE OF DAVAO ORIENTAL
CITY OF MATI
BARANGAY AFFAIRS COORDINATING UNIT

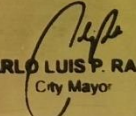
Ikawang BIDA Award

Perfecto B. Rom Jr.
BIDA Light Bringer of the Year

For his generosity, dedication and commitment to the research and development innovation as the Author of the Urban Container Gardening contributing to the education, policy education, system development of the Green Communities Program of the City of Mati.

Given this 14th day of July, 2016 in the City of Mati,
Davao Oriental, Philippines.


MA. GLENDA MONETTE R. GAYTA
City Vice Mayor
BIDA Program Director


CARLO LUIS P. RABAT
City Mayor

IAB No: 002

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UCG (URBAN CONTAINER GARDENING) TRAINER-ADVOCATE



Jojo Rom
Advocate of Demassified Agriculture

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OF PARTICIPANTS- 100





The power of persuasion

DAVAO GARDENING is our path to CREATIVE REVOLUTION

1981-2014

2003

2006

2007-2014



LESS VEGETABLE DIET

UCG LIFE

this helped fund my research

U
C
G



URBAN CONTAINER GARDENING

A home farming manual

With an Introduction to Household-based Waste Management System

Perfecto "Jojo" B. Rom, Jr.
Advocates for Democratized Agriculture



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Certificate of Copyright Registration and Deposit

Registration No. A-2016-0407

Be it known that on May 30, 2016, Perfecto B. Rom, Jr. of Davao City caused the registration and deposit with the National Library of the Philippines (NLP), through the Intellectual Property Office of the Philippines (IPOPHL), of the work with the following specifications

Title	: UCG-URBAN CONTAINER GARDENING- A HOME FARMING MANUAL WITH AN INTRODUCTION TO HOUSEHOLD-BASED WASTE MANAGEMENT SYSTEM
Author (s)	: Perfecto B. Rom, Jr.
Class	: Class A (Books, pamphlets, articles, e-books, audio books, comics, novels and other writings)
Creation Date	: February 2007
Period of Protection	: Life of the author and for fifty (50) years after his death.

Registration and deposit is made for the purpose of completing the records of the National Library in accordance with Section 191 of Republic Act No. 8293, The Intellectual Property Code of the Philippines.

Issued on July 11, 2016 in the City of Taguig, Philippines.


Josephine R. Santiago
Director General

Intellectual Property Office of the Philippines

N.B. A certified true copy of the affidavit of ownership is found at the back of this certificate and forms an integral part of the certificate.

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In Every Waste There is Food







Toto Tib's Lanario





**simple research and development
initiative on
TERRAPONICS**





The strength in agriculture is homefarming





**Our future...is mobile fresh food
selling**





THANK YOU!